# The Strait of Georgia Ambient Monitoring Program Phase I, 2002-2007: Sediment and Benthos

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V8L 4B2

2008

Canadian Data Report of
Fisheries and Aquatic Sciences 1208

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Cat. No. Fs 97-13/1208E ISSN 0706-6465

Correct citation for this publication:

Wright, C.A., Johannessen, S.J., Macdonald, R.W., Burd, B.J., Hill, P. Van Roodselaar, A., and Bertold, S. 2008. The Strait of Georgia ambient program: phase I, 2002-2007: sediment and benthos. Can. Data Rep. Fish. Aquat. Sci. 1208: vi + 112 p.

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## ABSTRACT

Wright, C.A., Johannessen, S.J., Macdonald, R.W., Burd, B.J., Hill, P. Van Roodselaar, A., and Bertold, S. 2008. The Strait of Georgia ambient monitoring program: phase I, 2002-2007: sediment and benthos. Can. Data Rep. Fish. Aquat. Sci. 1208: vi + 112 p.

Sediment, sinking particle and water samples were collected in the Strait of Georgia during 2002-2007 as part of a collaborative research project conducted by Fisheries and Oceans Canada, Natural Resources Canada and Metro Vancouver (formerly the Greater Vancouver Regional District). Twenty-two sediment cores were collected and subsampled for later analysis. Core samples were selectively analysed for $^{210}$Pb and $^{226}$Ra, concentration and stable isotopes of organic carbon and total nitrogen, metals, acid-volatile sulphide (AVS), polychlorinated biphenyls (PCBs), polybrominated diphenyl ethers (PBDEs), polyaromatic hydrocarbons (PAHs) and nonylphenol ethoxylates (NPEOs). Particle fluxes and concentrations of organic carbon, nitrogen, PCBs and PBDEs in sinking particles were measured using sediment traps deployed in the southern Strait in 2004. Benthic communities from nine stations were assessed using twenty-one sediment grabs that were characterized to the highest taxonomic resolution where possible. Additionally, the concentrations of dissolved and total organic carbon were measured at twenty stations along a cruise track from the mouth of Juan de Fuca Strait to the northern Strait of Georgia during four separate cruises in 2003. Data from this project are presented here and stored electronically in the Institute of Ocean Sciences data archive and are available on request (http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm).

## RÉSUMÉ

Wright, C.A., Johannessen, S.J., Macdonald, R.W., Burd, B.J., Hill, P. Van Roodselaar, A., and Bertold, S. 2008. The Strait of Georgia ambient monitoring program: phase I, 2002-2007: sediment and benthos. Can. Data Rep. Fish. Aquat. Sci. 1208: vi + 112 p.

Des échantillons de sédiment, d'eau et de particules en suspension ont été recueillis dans le détroit de Géorgie entre 2002 et 2007 dans le cadre d'un projet de recherche collaboratif entrepris par Pêches et Océans Canada, Ressources naturelles Canada et Metro Vancouver (anciennement district régional du Grand Vancouver). Vingt-deux carottes de sédiment ont été recueillies et sous-échantillonnées pour analyse ultérieure. L'analyse de certains échantillons de carotte nous a permis de déterminer la concentration de plomb-210 et de radium-226 ainsi que la concentration et la composition des isotopes stables de carbone organique et d'azote total, des métaux, des sulfures volatils en milieu acide (SVMA), des biphényles polychlorés (BPCs), d'éthers diphényliques polybromés (EDPs), d'hydrocarbures aromatiques polycycliques (HAPs) et d'éthoxylates de nonylphénol (NPEOs). Les flux de particules et les concentrations en carbone organique et azote, BPCs et EDPs dans les particules en chute ont été mesurés à l'aide de pièges à sédiment déployés dans la partie sud du détroit en 2004. Les communautés benthiques de neuf stations provenant de vingt et un échantillons ponctuels de sédiment ont été évaluées et caractérisés au degré de résolution taxonomique le plus élevé possible. Les résultats analytiques du travail sont présentés dans ce rapport de données et sont disponibles sous forme électronique sur demande à partir de l'archive de données de l'Institut des sciences de la mer.

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## 1.0 Introduction

The Strait of Georgia receives particles, organic matter and contaminants from river runoff, atmospheric and seawater exchange, and anthropogenic discharge (Johannessen *et al.*, 2003). These influxes affect benthic and pelagic productivity, the burial or processing of contaminants, and the role of the Strait of Georgia in the global carbon cycle. During a 2002-2007 collaborative project carried out by Fisheries and Oceans Canada, Natural Resources Canada and Metro Vancouver (formerly the Greater Vancouver Regional District), we collected and analysed 22 sediment cores and 21 sediment grab samples. The objectives of the project were: (i) to provide a context within which to assess the effects of Metro Vancouver wastewater outfalls, (ii) to develop baseline and temporal trend data against which to measure future change, and (iii) to increase our understanding of the local benthic ecosystems and of the cycling of particles, organic carbon, contaminants in the Strait of Georgia.

In addition to their presentation in this report, all the data from this project are stored electronically in the Institute of Ocean Sciences data archive and are available on request (http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm). Portions of the data have been analysed and published by Burd *et al.* (2008a,b,c), Johannessen *et al.* (2008a,b) and Macdonald *et al.* (2008). Additional review and analysis on the sedimentary regime of the Strait of Georgia have also been published by Hill *et al.*, (2008).

## 2.0 Methods

### 2.1 Sediment Cores and Traps

In 2002-2004 and 2007, twenty-two sediment box cores were collected in the Strait of Georgia using a Pouliot box corer (cores 1-7) and a Pedersen corer (cores 8-22) (Figure 1, Table 1). Sediment cores were sectioned in the shipboard laboratory within a few hours of collection into 1 cm intervals for the uppermost 10 cm, 2 cm intervals for the next 10 cm and 5 cm intervals for the remainder of the core (20 cm to bottom; core depths ranged from ~20- 50 cm). Sediment consisted primarily of silty mud. Core sections were homogenized and then subsampled for the analyses described below.

Moorings (Figure 1) with two sediment traps each (attached 20 and 50 m off the bottom) were set out at two of the core stations in October 2003 and retrieved in April 2004. Each trap collected 10 sequential samples that represented 21 days each. The moorings were redeployed on April 28, 2004 (A2S and B2), but in August, a trawl or towline resulted in the loss of one mooring and the dragging of a second. On Aug. 22, 2004 the Argos beacon at the top of GVRD B2 started to transmit, indicating that the top portion, at least, of the mooring was on the surface. On Aug 26, 2004, a notice to shipping, P-1333, was issued, indicating two yellow steel buoys adrift at 49°19.184' N 123°27.8' W. The top float, pinger and Argos beacon were recovered on Ragged Island in Howe Sound at 49° 22.63' N 123° 26.89' W. No further signs of the mooring were found. The other mooring was dragged 10 km upslope to 49° 08.136' 123° 18.422' (2AF).

**2.2 $^{210}$Pb Dating**

Subsamples for each core depth were sent to Flett Research Ltd. in Winnipeg, Canada for analysis of $^{210}$Pb and $^{226}$Ra. $^{210}$Pb was measured in all sections of each core (~22 samples/core), following the procedure of Eakins and Morrison (1978), while that of $^{226}$Ra was determined at three depths (top, middle, bottom) in each core, from the in-growth of $^{222}$Rn over at least 4 days as per Mathieau *et al.* (1988) with modifications by Flett Research Ltd. (2006).

**2.3 Contaminants, Organics, Isotopes**

A full suite of metals, Pb isotopes, AVS, and porosity was analysed in Cores 1-7 (19-22 sections depending on core) at the Université du Québec. AVS was determined using ICP-MS and methods can be found Gobeil *et al.* (2001). Metals and Pb isotopes were measured using ICP-MS and ICP-AES (Gobeil *et al.* 2005), with mercury measured using AA-MGH (Gobeil *et al.*, 1999). All 209 PCB congeners and 40 PBDE congeners were analyzed in 10 subsamples from each of Cores GVRD-1 to GVRD-7, except core GVRD-4. Only three samples were sent from Core GVRD-4 (top, middle, bottom), because the sedimentation rate from this core could not be determined. PCBs and the PBDEs were measured by high resolution gas chromatography / high resolution mass spectroscopy (general precision ± 30%; precision of duplicates in a batch ± 20% of the mean) (US EPA, 2003a, b). PAHs and NPEOs were measured in 3 subsamples of Cores GVRD-1,2,3,5,7 (top, middle, bottom) (Axys Analytical Services Ltd., 2004, 2006).

Carbon and nitrogen were analysed in the sediment core samples at the University of British Columbia, using the method of Calvert *et al.* (1995), in which organic carbon is calculated as the difference between total and carbonate carbon. Total carbon is measured by combustion and gas chromatography in a CHS analyzer and carbonate carbon by coulometry (precision ± 1.6%, 1 standard deviation).

Stable isotopes of carbon and nitrogen were measured in all the core samples at the University of British Columbia (Calvert *et al.*, 2001)

Sediment trap material was split for different analysis. Half (by volume) of the material in each cup was sent to the University of British Columbia for analysis of total, organic and inorganic carbon, nitrogen, biogenic silica, opal, stable isotopes of carbon and nitrogen, salt, metals and total dry weight (Calvert *et al.* 1995, 2001). To obtain enough material for analysis of organic contaminants, one quarter (by volume) of the material from each collection cup was collected and homogenized with all the other quarter splits from the same sediment trap. The analyses of PCB, PAH, NPEO, and PBDE were performed by Axys Analytical Ltd., as described above for the sediment core samples. The remaining quarter of each sample is archived at the Institute of Ocean Sciences, Sidney, British Columbia.

**2.3 Benthic Faunal Sampling**

Benthic grab samples were collected at nine of the core locations (GVRD-1, 2, 3, 4, 5, 6, 7, 9, 10; Figure 1), using 0.1m$^2$ grab samplers (Van Veen or Smyth-Macintyre) and

sieved through a 1 mm mesh. Small and delicate invertebrates were removed during the washing process and all samples were then preserved in 10% buffered formalin with rose bengal stain. Organisms were identified to genus/species, where possible, by Biological Environmental Services, Victoria, British Columbia.

Sites 3 and 4 corresponded to Metro Vancouver stations IONA 8 and 15, which were also sampled and processed independently as part of Metro Vancouver's ongoing nearfield monitoring program (see Burd *et al.*, 2008b for review). Grab samples collected at stations GVRD 3 and 4 were subsampled into layers to determine the distribution of benthic invertebrates with depth in the sediment column. These grabs were sampled in 1 cm depth intervals for the top 10 cm, where possible, with the >10 cm portion combined into a single sample. The outermost portion of each sample was excluded, to avoid smearing along the grab walls. In addition to the depth-stratigraphic analysis of the benthic invertebrates in cores GVRD-3 and 4, a small subsample (~30 ml) from each depth interval and each replicate was removed for metals and lead isotope analysis performed by Université du Québec using ICP-MS and ICP-AES (Gobeil *et al.* 2005)

### 2.4 Foraminifera

Foraminifer samples were taken from the surface (0-1 cm) from cores 3 and 4 and were preserved with 10% buffered formalin with Rose Bengal stain. A fraction of each sample was examined in solution (wet picked), except for Core GVRD-3 intervals 0-1 cm and 40-45 cm, which were wet picked in their entirety. Representative specimens were counted. The unexamined remainder of each sample was dried. Each dried sample was sieved into size fractions and examined. Enough of each sample to count 300 specimens was examined, although small populations required examination of the entire sample. Both foraminifera and thecamoebians were identified. The taxonomy and analysis was performed by Susan Burbidge of Ottawa, Ontario, according to the taxonomy of Loeblich and Tappan (1987).

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Figure 1: Strait of Georgia Ambient Monitoring Program station map.

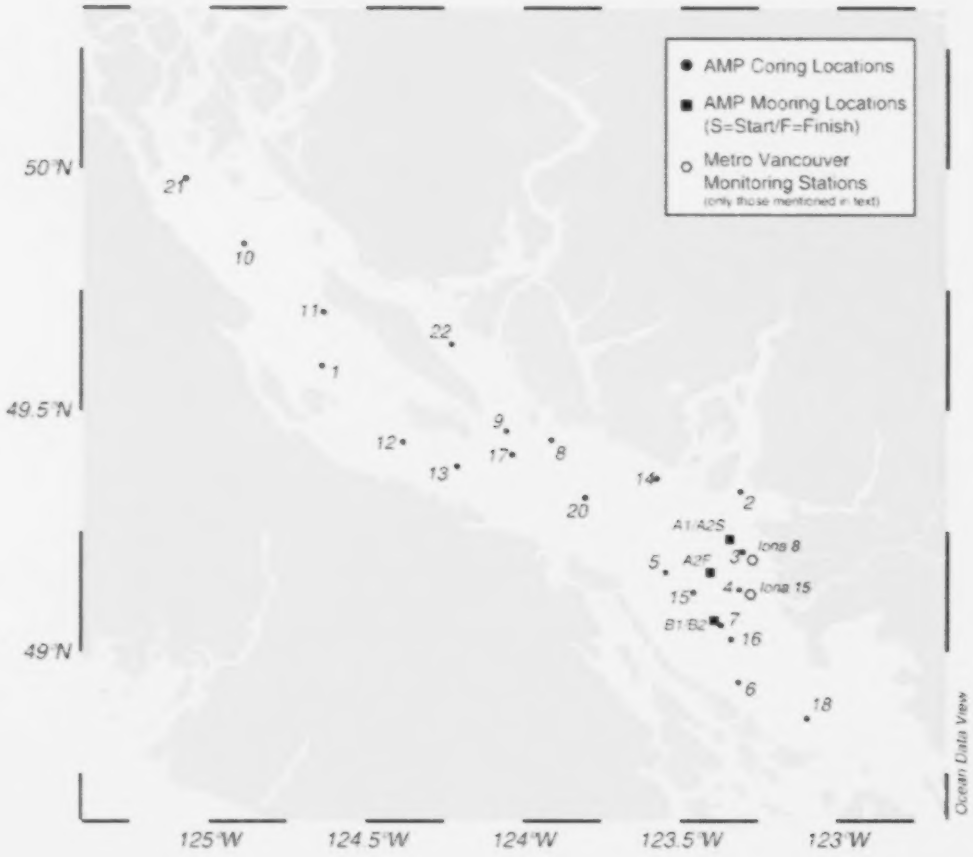

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Table 1: Cruise and coring details and sediment sample descriptions.

| Core Description GVRD 1 | Possibility of some compaction due to sitting overnight | | |
|---|---|---|---|
| Date | June 19, 2003 | | |
| Cruise No. | 2003-24 | Latitude | 49 35.515 |
| Event No. | 67 | Longitude | 124 38.275 |
| Core Length | 56 cm | Water Depth | 169 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | 2.5Y 3/2 | dusty red | soupy, unconsolidated, rusty oxidation, slightly sulfidic, minor bioturbation | Absent |
| 1-2 | 2.5Y 3/2 | dusty red | soupy, unconsolidated, rusty oxidation, slightly sulfidic, mud star (sea star) | Absent |
| 2-3 | 2.5Y 3/2 | dusty red | soupy, unconsolidated, rusty oxidation, slightly sulfidic | Absent |
| 3-4 | 5Y 3/2 | dark olive gray | grey patches, mud star intact | Absent |
| 4-5 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, large tube worm | Absent |
| 5-6 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, large tube worm | Absent |
| 6-7 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, some woody debris | Absent |
| 7-8 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, some woody debris, increased consolidation | Absent |
| 8-9 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, some woody debris, increased consolidation. | Absent |
| 9-10 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches | Absent |
| 10-12 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, texture change to increased silty/sand | Absent |
| 12-14 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, slightly sulphidic | Absent |
| 14-16 | 5Y 3/2-2.5/2 | black to dark olive gray | dark olive grey with grey patches | Absent |
| 16-18 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches | Absent |
| 18-20 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches | Absent |
| 20-25 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches | Absent |
| 25-30 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, slightly sulphidic, reworked black tube | Absent |
| 30-35 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches | Absent |
| 35-40 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, some mottling, shells and a piece of wood intact | 1 pair of valves, *Yoldia thraciaeformis* |
| 40-45 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, some mottling, and reworked pockets | Absent |
| 45-50 | 5Y 3/2 | dark olive gray | dark olive grey with grey patches, some mottling, and reworked pockets | Absent |
| 50-55 | 5Y 3/2-2.5/2 | dark olive gray to black | dark olive grey with grey patches, some mottling, and reworked pockets | Absent |
| 55 | 5Y 3/2-2.5/2 | dark olive gray to black | dark olive grey with grey patches, some mottling, and reworked pockets | Absent |

Table 1: Continued

| Core Description GVRD 2 | Possible compaction and settling due to sitting overnight |
|---|---|

| | |
|---|---|
| Cruise No. | 2003-24 |
| Date | June 18, 2003 |
| Event No. | 52 |
| Core Length | 48 cm |

| | |
|---|---|
| Latitude | 49 19.902 |
| Longitude | 123 18.509 |
| Water Depth | 76 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | 2.5Y 3/2 | dusty red | errant polychaetes and tubes visible, bioturbated, small tubes | 1 pair valves *Axinopsida sericata* |
| 1-2 | 5Y 3/2 | dark olive gray | bioturbated | Absent |
| 2-3 | 5Y 3/2 | dark olive gray | mottled, bioturbated | Absent |
| 3-4 | 5Y 2.5/2 | black to dark olive gray | mottled, bioturbated, large piece of bark | Absent |
| 4-5 | 5Y 2.5/2 | black to dark olive gray | mottled bioturbated, 1-2 cm rock | Absent |
| 5-6 | 5Y 2.5/2 | black to dark olive gray | bioturbated | 1 fragmented pair of valves, *M. elminata* |
| 6-7 | 5Y 2.5/2 | black to dark olive gray | mottled, bioturbated, some woody debris | Absent |
| 7-8 | 5Y 3/2 | dark olive gray | mottled, bioturbated, small rock | Absent |
| 8-9 | 5Y 3/2 | dark olive gray | mottled bioturbated, errant polychaetes, polychaete tubes | Absent |
| 9-10 | 5Y 2.5/2 | black to dark olive gray | amounts of woody debris | Absent |
| 10-12 | 5Y 3/2 | dark olive gray | mottled, bioturbated | Absent |
| 12-14 | 5Y 2.5/2 | black to dark olive gray | mottled, bioturbated, layer of shelly debris | 2 pairs + 1 valve *Macoma eliminata* |
| 14-16 | 2.5Y N3 | very dark gray | bioturbated, darker in colour | 1 pair valves, *Yoldia thraciaeformis*, 1 pair valves, *Yoldia seminuda*, 2 pairs + 1 single valve *Macoma eliminata* |
| 16-18 | 5Y 2.5/2 | black to dark olive gray | less bioturbated | Absent |
| 18-20 | 2.5Y N3 | very dark gray | mottled, polychaete tubes apparent | Absent |
| 20-25 | 5Y 2.5/2 | black to dark olive gray | less bioturbated but still mottled | Absent |
| 25-30 | 5Y 2.5/2 | black to dark olive gray | texture change, ligher in colour and less consolidated | Absent |
| 30-35 | 5Y 3/1 | very dark gray | air pockets, soft, loose sediment, some woody debris | Absent |
| 35-40 | 5Y 4/1-3/2 | dark gray to dark olive gray | softer sediment, more water | Absent |
| 40-45 | 5Y 4/1-3/2 | dark gray to dark olive gray | softer sediment, more water | Absent |

Table 1: Continued

| Core Description GVRD 3 | | | |
|---|---|---|---|
| Date | December 19, 2002 | | |
| Cruise No. | 2002-41 | Latitude | 49 12.467 |
| Event No. | 38 | Longitude | 123 17.992 |
| Core Length | 47 cm | Water Depth | 183 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | not taken | not taken | dark olive gray, bioturbated, soupy consistencysmall flatworms | Absent |
| 1-2 | " | " | not taken | Yes |
| 2-3 | " | " | black to dark olive gray, mottled, bioturbated, shell fragments | Yes |
| 3-4 | " | " | not taken | Yes |
| 4-5 | " | " | " | Yes |
| 5-6 | " | " | " | Yes |
| 6-7 | " | " | " | No |
| 7-8 | " | " | " | Yes |
| 8-9 | " | " | " | Yes |
| 9-10 | " | " | " | Yes |
| 10-12 | " | " | black | Yes |
| 12-14 | " | " | not taken | Yes |
| 14-16 | " | " | " | Yes |
| 16-18 | " | " | " | Yes |
| 18-20 | " | " | " | Yes |
| 20-25 | " | " | " | Yes |
| 25-30 | " | " | black, consolidated | Absent |
| 30-35 | " | " | not taken | Absent |
| 35-40 | " | " | " | Absent |
| 40-45 | " | " | " | Absent |

| Core Description GVRD 4 | Possible compaction due to sitting overnight | | |
|---|---|---|---|
| Date | December 19, 2002 | | |
| Cruise No. | 2002-41 | Latitude | 49 07.778 |
| Event No. | 37 | Longitude | 123 18.714 |
| Core Length | 38 cm | Water Depth | 84 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | not taken | not taken | silty mud, black to dark olive gray on surface, bioturbated, micaceous minerals, consolidated, not anoxic | Yes |
| 1-2 | " | " | not taken | Yes |
| 2-3 | " | " | " | Yes |
| 3-4 | " | " | " | Yes |
| 4-5 | " | " | " | Yes |
| 5-6 | " | " | " | Absent |
| 6-7 | " | " | " | Absent |
| 7-8 | " | " | " | Yes |
| 8-9 | " | " | " | Absent |
| 9-10 | " | " | " | Absent |
| 10-12 | " | " | " | Absent |

Table 1: Continued.

**Core Description GVRD 4**

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 12-14 | not taken | not taken | not taken | Absent |
| 14-16 | " | " | " | 1 valve *Macoma* spp. |
| 16-18 | " | " | " | Absent |
| 18-20 | " | " | " | Absent |
| 20-25 | " | " | " | Absent |
| 25-30 | " | " | " | Absent |
| 30-35 | " | " | " | Absent |

**Core Description GVRD 5**

| | |
|---|---|
| Cruise No. | 2002-41 |
| Date | December 20, 2002 |
| Event No. | 76 |
| Core Length | 52 cm |

| | |
|---|---|
| Latitude | 49 09.877 |
| Longitude | 123 32.73 |
| Water Depth | 388 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | not taken | not taken | wet fine clay, bioturbated, polychaetes and heart urchins | Absent |
| 1-2 | " | " | not taken | Absent |
| 2-3 | " | " | " | Absent |
| 3-4 | " | " | " | Absent |
| 4-5 | " | " | " | Absent |
| 5-6 | " | " | " | Absent |
| 6-7 | " | " | " | Absent |
| 7-8 | " | " | " | Absent |
| 8-9 | " | " | " | Absent |
| 9-10 | " | " | " | Absent |
| 10-12 | " | " | " | Absent |
| 12-14 | " | " | " | Absent |
| 14-16 | " | " | " | Absent |
| 16-18 | " | " | " | Absent |
| 18-20 | " | " | " | Absent |
| 20-25 | " | " | " | Absent |
| 25-30 | " | " | " | Absent |
| 30-35 | " | " | " | Absent |

**Core Description GVRD 6**

| | |
|---|---|
| Cruise No. | 2003-24 |
| Date | June 18, 2003 |
| Event No. | 44 |
| Core Length | 45 cm |

| | |
|---|---|
| Latitude | 48 56.191 |
| Longitude | 123 18.792 |
| Water Depth | 183 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | 5Y 5/2 | dark olive gray | mottled, bioturbated, micaceous minerals, soupy consistency | Absent |
| 1-2 | 5Y 2.5/2 | black to dark olive gray | mottled with black patches | Absent |

Table 1: Continued

**Core Description GVRD 6**

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 2-3 | 5Y 3/2 | dark olive gray | bioturbated, more olive | Absent |
| 3-4 | 5Y 3/2-2.5/2 | dark olive gray to black | mottled, bioturbated | Absent |
| 4-5 | 5Y 3/2-2.5/2 | dark olive gray to black | mottled, bioturbated, slightly darker, Dentalium spp | Absent |
| 5-6 | 5Y 3/2 | dark olive gray | mottled with darker patches | Absent |
| 6-7 | 5Y 2.5/2 | black to dark olive gray | mottled with darker patches | 1 pr valves (live) *Yoldia seminuda* |
| 7-8 | 5Y 3/2 | dark olive gray | bioturbated, colour more consistent | 1 valve, *Macoma* spp. |
| 8-9 | 5Y 3/2 | dark olive gray | bioturbated, echurian found | 1 fragmented valve, Macoma spp. |
| 9-10 | 5Y 2.5/2 | black to dark olive gray | bioturbated with rust coloured streaks, errant polychaete found | Absent |
| 10-12 | 5Y 2.5/2 | black to dark olive gray | bioturbated, less dark olive grey, shell material and a polychaete found | 1 pair (live) *Yoldia thraciaeformis* |
| 12-14 | 5Y 2.5/2 | black to dark olive gray | bioturbated | Absent |
| 14-16 | 5Y 2.5/1 | black | less bioturbated | Absent |
| 16-18 | 5Y 2.5/2 | black to dark olive gray | water pockets | 1 fragmented valve, no identification |
| 18-20 | 5Y 2.5/2 | black to dark olive gray | compact dark sand, some pieces of woody debris, gastropod shell | Absent |
| 20-25 | 5Y 2.5/1 | black | compact dark sand | 1 pair valves, *Macoma (nasuta?)* |
| 25-30 | 5Y 2.5/1 | black | compact, darker | Absent |
| 30-35 | 5Y 2.5/1 | black | compact, darker | Absent |
| 35-40 | 5Y 2.5/1 | black | compact, darker, in situ echurian | Absent |
| 40-45 | 5Y 2.5/1 | black | compact, darker | Absent |

**Core Description GVRD 7**

| | |
|---|---|
| Date | December 6, 2003 |
| Cruise No. | 2003-41 |
| Event No. | Not Taken |
| Core Length | 45 cm |

| | |
|---|---|
| Latitude | 49 033.340 |
| Longitude | 123 22.162 |
| Water Depth | 240 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
|---|---|---|---|---|
| 0-1 | not taken | not taken | polychaetes, bioturbated | not taken |
| 1-2 | " | " | " | " |
| 2-3 | " | " | " | " |
| 3-4 | " | " | " | " |
| 4-5 | " | " | " | " |
| 5-6 | " | " | " | " |
| 6-7 | " | " | " | " |
| 7-8 | " | " | " | " |
| 8-9 | " | " | " | " |
| 9-10 | " | " | " | " |
| 10-12 | " | " | " | " |
| 12-14 | " | " | " | " |
| 14-15 | " | " | " | " |

Table 1: Continued

| Core Description GVRD 7 | | | | |
|---|---|---|---|---|
| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments | Bivalves Collected |
| 16-18 | not taken | not taken | not taken | not taken |
| 18-20 | " | " | " | " |
| 20-25 | " | " | " | " |
| 25-30 | " | " | old bioturbated traces, sulphidic, pockets of black soupy sediments | " |
| 30-35 | " | " | very sulphidic | " |

| Core Description GVRD 8 | | | |
|---|---|---|---|
| Cruise No. | BEAM 2007-01 | Latitude | 49 26.338 |
| Date | July 8, 2007 | Longitude | 123 54.590 |
| Event No. | NA | Water Depth | 214 m |
| Core Length | 66 cm | | |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | wet sediment, very soupy |
| 1-2 | " | " | as above |
| 2-3 | " | " | dark olive clay, bioturbated |
| 3-4 | " | " | as above |
| 4-5 | " | " | sulphidic smell |
| 5-6 | " | " | consolidated, "sticky", bioturbated, dark olive gray |
| 6-7 | " | " | as above but increasinly consolidated |
| 7-8 | " | " | as above |
| 8-9 | " | " | as above |
| 9-10 | " | " | as above |
| 10-12 | " | " | dark olive gray with black mottling, somewhat less consolidated |
| 12-14 | " | " | as above but greater water content |
| 14-16 | " | " | as above |
| 16-18 | " | " | no comments |
| 18-20 | " | " | no comments |
| 20-25 | " | " | increasingly consolidated |
| 25-30 | " | " | no comments |
| 30-35 | " | " | no comments |
| 35-40 | " | " | no comments |
| 40-45 | " | " | no comments |
| 45-50 | " | " | no comments |

| Core Description GVRD 9 | | | |
|---|---|---|---|
| Cruise No. | BEAM 2007-01 | Latitude | 49 27.441 |
| Date | July 12, 2007 | Longitude | 124 03.148 |
| Event No. | NA | Water Depth | 365 |
| Core Length | 64 | | |

| | | | |
|---|---|---|---|
| 0-1 | 5Y 3/2 | dark olive gray | bioturbated, worms present, soupy, loose consistency |
| 1-2 | 5Y 3/2 | dark olive gray | bioturbated, worms present, soupy, loose consistency |

Table 1: Continued.

**Core Description GVRD 9**

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 2-3 | 5Y 3/2 | dark olive gray | soupy consistency, bioturbated, holothurian and echinoderm present |
| 3-4 | 5Y 3/2 | dark olive gray | bioturbated |
| 4-5 | 5Y 3/2 | dark olive gray | soupy, water content around edge of liner |
| 5-6 | 5Y 3/2 | dark olive gray | as above |
| 6-7 | 5Y 3/2 | dark olive gray | as above, slightly sulphidic |
| 7-8 | 5Y 3/2 | dark olive gray | as above |
| 8-9 | 5Y 3/2 | dark olive gray | slight black mottling |
| 9-10 | 5Y 2.5/2 | dark olive gray | old burrows present |
| 10-12 | 5Y 2.5/2 | dark olive gray | as above |
| 12-14 | 5Y 2.5/2 | dark olive gray | as above |
| 14-16 | 5Y 2.5/2 | dark olive gray | as above |
| 16-18 | 5Y 2.5/2 | dark olive gray | as above |
| 18-20 | 5Y 2.5/2 | dark olive gray | as above |
| 20-25 | 5Y 2.5/2 | dark olive gray | as above, more dark mottling |
| 25-30 | 5Y 2.5/2 | dark olive gray | as above, slightly sulphidic |
| 30-35 | 5Y 2.5/2 | dark olive gray | as above, but no sulphidic smell |
| 35-40 | 5Y 2.5/2 | dark olive gray | as above but with watery pockes inside old burrows |
| 40-45 | 5Y 2.5/2 | dark olive gray | as above |
| 45-50 | 5Y 2.5/2 | dark olive gray | as above |

**Core Description GVRD 10**

| | |
|---|---|
| Cruise No. | BEAM 2007-01 |
| Date | July 9, 2007 |
| Event No. | NA |
| Core Length | 52 cm |

| | |
|---|---|
| Latitude | 49 50.672 |
| Longitude | 124 53.207 |
| Water Depth | 310 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | bioturbated, dark olive green with "red" streaks (likely worms), hummocky |
| 1-2 | " | " | no comments |
| 2-3 | " | " | no comments |
| 3-4 | " | " | loose consistency |
| 4-5 | " | " | as above |
| 5-6 | " | " | as above |
| 6-7 | " | " | increasing in consolidation |
| 7-8 | " | " | bioturbated with worm burrows |
| 8-9 | " | " | no comments |
| 9-10 | " | " | no comments |
| 10-12 | " | " | no comments |
| 12-14 | " | " | increasing in consolidation, clumping |
| 14-16 | " | " | no comments |
| 16-18 | " | " | no comments |
| 18-20 | " | " | no comments |
| 20-25 | " | " | no comments |
| 25-30 | " | " | slight sulphidic smell |
| 30-35 | " | " | no comments |
| 35-40 | " | " | no comments |
| 40-45 | " | " | no comments |

Table 1. Continued.

**Core Description GVRD 11**

| | |
|---|---|
| Cruise No. | BEAM 2007-01 |
| Date | July 11, 2007 |
| Event No. | NA |
| Core Length | Not Known |

| | |
|---|---|
| Latitude | 49 42.189 |
| Longitude | 124 38.015 |
| Water Depth | 336 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | bioturbated, worm burrows/tubes on surface, spicules, soupy, wet consistency |
| 1-2 | " | " | as above |
| 2-3 | " | " | no comments |
| 3-4 | " | " | loose but increasing in consolidation |
| 4-5 | " | " | polychaete worm present |
| 5-6 | " | " | no comments |
| 6-7 | " | " | increasing consistency, strong sulphidic smell |
| 7-8 | " | " | no comments |
| 8-9 | " | " | no comments |
| 9-10 | " | " | no comments |
| 10-12 | " | " | no comments |
| 12-14 | " | " | no comments |
| 14-16 | " | " | no comments |
| 16-18 | " | " | no comments |
| 18-20 | " | " | no comments |
| 20-25 | " | " | no comments |
| 25-30 | " | " | no comments |
| 30-35 | " | " | 2 separated valves from bivavles |
| 35-40 | " | " | bivalve shell fragments (<1 cm) |
| 40-45 | " | " | sulphidic smell |
| 45-50 | " | " | no comments |

**Core Description GVRD 12**

| | |
|---|---|
| Cruise No. | BEAM 2007-01 |
| Date | July 11, 2007 |
| Event No. | NA |
| Core Length | Not Known |

| | |
|---|---|
| Latitude | 49 26.201 |
| Longitude | 124 22.922 |
| Water Depth | 328 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | 5Y 2.5/1 | dark olive gray | some mottling |
| 1-2 | 5Y 3/2 | dark olive gray | as above |
| 2-3 | 5Y 3/2 | dark olive gray | some evidence of iron oxidation |
| 3-4 | 5Y 3/2 | dark olive gray | as above with increasing consolidation |
| 4-5 | 5Y 3/2 | dark olive gray | as above with some black mottling |
| 5-6 | 5Y 3/2 | dark olive gray | as above |
| 6-7 | 5Y 3/2 | dark olive gray | as above |
| 7-8 | 5Y 3/2 | dark olive gray | as above with increased consolidation |
| 8-9 | 5Y 3/2 | dark olive gray | as above |
| 9-10 | 5Y 3/2 | dark olive gray | as above with increased black mottling, higher water content |
| 10-12 | 5Y 3/2 | dark olive gray | as above |
| 12-14 | 5Y 3/2 | dark olive gray | as above |
| 14-16 | 5Y 3/2 | dark olive gray | as above but increased consolidation |

Table 1: Continued.

**Core Description GVRD 12**

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 16-18 | 5Y 3/2 | dark olive gray | as above |
| 18-20 | 5Y 3/2 | dark olive gray | as above |
| 20-25 | 5Y 3/2 | dark olive gray | as above |
| 25-30 | 5Y 3/2 | dark olive gray | 2 cm x 4 cm piece of iron slag found in this layer |
| 30-35 | 5Y 3/2 | dark olive gray | black mottling present with slight sulphidic smell |
| 35-40 | 5Y 2.5/2 | dark olive gray to black | strong sulphidic smell |
| 40-45 | 5Y 3/2 | dark olive gray | increased water content produces soupier consistency that levels above it |
| 45-50 | 5Y 3/2 | dark olive gray | lots of water pockets but some stiff sediment regions |

**Core Description GVRD 13**

| | | | |
|---|---|---|---|
| Cruise No. | BEAM 2007-01 | Latitude | 49 23.056 |
| Date | July 12, 2007 | Longitude | 124 12.611 |
| Event No. | NA | Water Depth | 326 m |
| Core Length | 39 cm | | |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | worm tubes and spicules present |
| 1-2 | " | " | no comments |
| 2-3 | " | " | no comments |
| 3-4 | " | " | no comments |
| 4-5 | " | " | worm tubes present |
| 5-6 | " | " | work tubes and spicules present |
| 6-7 | " | " | no comments |
| 7-8 | " | " | some sediment consolidation, black mottling |
| 8-9 | " | " | no comments |
| 9-10 | " | " | no comments |
| 10-12 | " | " | no comments |
| 12-14 | " | " | no comments |
| 14-16 | " | " | no comments |
| 16-18 | " | " | sediment very stiff and dry, spicules but no more worm tubes |
| 18-20 | " | " | no comments |
| 20-25 | " | " | no comments |
| 25-30 | " | " | bivalve shell fragements, clay look consistency |
| 30-35 | " | " | no comments |

Table 1: Continued.

**Core Description GVRD 14**

| | |
|---|---|
| Cruise No. | BEAM 2007-01 |
| Date | July 13, 2007 |
| Event No. | NA |
| Core Length | 43 cm |

| | |
|---|---|
| Latitude | 49 21.553 |
| Longitude | 123 34.37 |
| Water Depth | 160 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | 2.5Y 4/2 | dark grayish brown | watery, lighter sediment on top, bioturbated and hummocky |
| 1-2 | 2.5Y 4/2 | dark grayish brown | as above |
| 2-3 | 5Y 3/2 | dark olive gray | holothuroid on surface, increased consolidation |
| 3-4 | 5Y 3/2 | dark olive gray | as above with increasing consolidation (still watery) |
| 4-5 | 5Y 3/2 | dark olive gray | as above |
| 5-6 | 5Y 3/2 | dark olive gray | as above |
| 6-7 | 5Y 3/2 | dark olive gray | as above |
| 7-8 | 5Y 3/2 mottled with 5Y 2.5/2 | dark olive gray | as above but with black mottling (old burrows?), still soupy along the edge of the liner but center is consolidated |
| 8-9 | 5Y 3/2 | dark olive gray | as above |
| 9-10 | 5Y 3/2 | dark olive gray | as above |
| 10-12 | 5Y 3/2 | dark olive gray | as above but with slight black mottling (old burrows?) |
| 12-14 | 5Y 3/1 | very dark gray | as above, but increased water content in center of core |
| 14-16 | 5Y 3/1 | very dark gray | as above |
| 16-18 | 5Y 3/1 | very dark gray | as above |
| 18-20 | 5Y 3/1 to 3/2 | dark olive gray | as above (still watery in pockets) |
| 20-25 | 5Y 3/2 | dark olive gray | as above |
| 25-30 | 5Y 3/1 | very dark gray | as above |
| 30-35 | 5Y 3/1 | very dark gray | as above, increased consolidation |
| 35-40 | 5Y 3/1 | very dark gray | as above , sediment firm |

**Core Description GVRD 15**

| | |
|---|---|
| Cruise No. | BEAM 2007-01 |
| Date | July 14, 2007 |
| Event No. | NA |
| Core Length | 33 cm |

| | |
|---|---|
| Latitude | 49 07.44 |
| Longitude | 123 27.482 |
| Water Depth | 296 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | 5Y 3/1 | very dark gray | fecal pellets on surface, floc, bioturbated, some black precipitate, worm tubes on surface |
| 1-2 | 5Y 3/1 | very dark gray | as above, wet |
| 2-3 | 5Y 3/1 | very dark gray | as above |
| 3-4 | 5Y 3/1 | very dark gray | as above with increased consolidation, tubes present, bioturbated |
| 4-5 | 5Y 3/1 | very dark gray | as above but less bioturbated |
| 5-6 | 5Y 3/2 to 2.5/2 | dark olive gray to black | as above, increased consolidation, sticky, slight reducing smell |

Table 1: Continued

**Core Description GVRD 15**

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 6-7 | 5Y 3/2 to 2.5/2 | dark olive gray to black | sticky and consolidated, but at bottom of section, increased water content (old tube pocket), reducing smell |
| 7-8 | 5Y 3/2 mottled with 5Y 2.5/2 | dark olive gray to black | more watery due to the presence of sediment pockets |
| 8-9 | 5Y 3/1 | very dark gray | sediment pockets not present but still watery |
| 9-10 | 5Y 3/1 | very dark gray | sediment consolidated |
| 10-12 | 5Y 3/2 mottled with 5Y 2.5/2 | dark olive gray mottled with black | sticky with a calcium carbonate "lime" smell |
| 12-14 | 5Y 3/2 mottled with 5Y 2.5/2 | dark olive gray mottled with black | as above, but holothuroid at edge of liner |
| 14-16 | 5Y 2.5/2 to 2.5/1 | black | as above, remains of holothuroid and tube continue |
| 16-18 | 5Y 2.5/1 | black | as above |
| 18-20 | 5Y 2.5/1 | black | as above |
| 20-25 | 5Y 2.5/1 | black | as above |
| 25-30 | 5Y 2.5/1 | black | as above |

**Core Description GVRD 16**

| | |
|---|---|
| Cruise No. | 2007-58 |
| Date | November 6, 2007 |
| Event No. | Not Recorded |
| Core Length | 23 cm |

| | |
|---|---|
| Latitude | 49 01.605 |
| Longitude | 123 20.237 |
| Water Depth | 210 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | 5Y 3/2 | dark olive gray | soupy, no smell, gritty texture (less water content than north stations) |
| 1-2 | 5Y 3/2 | dark olive gray | relatively firm, gritty, bioturbated, shell fragments, worm tubes |
| 2-3 | 5Y 2.5/1 | black | firm and consolidated, gritty texture, worm tubes, shell fragments, slight odour |
| 3-4 | 5Y 2/2 | black | as above, some brown infill sediments into old burrows; *Macoma spp.* valves, strong carbonate smell |
| 4-5 | 5Y 2/2 | black | as above, *Macoma spp.* valves, polychaetes |
| 5-6 | 5Y 2.5/2 | black | as above, colour more brown, texture is more sandy |
| 6-7 | 5Y 3/2 | dark olive gray | sandy, very consolidated, old bioturbation burrows, dediment is sticky |
| 7-8 | 5Y 2.5/2 | black | as above with small worms, black/gray mottling |
| 8-9 | 5Y 2.5/2 | black | as above |
| 9-10 | 5Y 2.5/1 | black | as above with black streaks and mottling |
| 10-12 | 5Y 2.5/1 | black | as above, a water pocket begins at the top of this interval |
| 12-14 | 5Y 2.5/1 | black | as above, Compack dark, sticky (almost spongy), sandy texture |

Table 1: Continued.

| Core Description GVRD 16 | | | |
|---|---|---|---|
| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
| 14-16 | 5Y 2.5/1 | black | as above but slightly more water content, sulphidic smell |
| 16-18 | 5Y 2.5/1 | black | as above, old burrows present |
| 18-20 | 5Y 2.5/1 | black | as above |
| 20-22.5 | 5Y 2.5/1 | black | as above |

| Core Description GVRD 17 | |
|---|---|
| Cruise No. | 2007-58 |
| Date | November 6, 2007 |
| Event No. | Not Recorded |
| Core Length | 56 cm |

| | |
|---|---|
| Latitude | 49 24.508 |
| Longitude | 124 02.043 |
| Water Depth | 410 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | 5YR 2.5/1 | dark brown | wet, soupy consistency, fecal material, bioturbated with polychaetes, burrows |
| 1-2 | 5YR 2.5/1 | dark brown | set, soupy consistency, fecal material, bioturbated with polychaetes, burrows |
| 2-3 | 5YR 2.5/1 with 5Y 3/2 | dark brown/dark olive gray | increased consolidation, bioturbated, texture of fine silty mud, mottled with olive gray |
| 3-4 | 5Y 3/2 | dark olive gray | as above, slightly more consolidated |
| 4-5 | 2.5Y 3/2 | dark olive gray | fine silty texture with some clay component, brown floc intermixed |
| 5-6 | 2.5Y 3/2 | dusty red | as above, no smell |
| 6-7 | 2.5Y 3/2 (mottled) | dusty red | as above, increased consolidation |
| 7-8 | 2.5Y 3/2 | dusty red | as above, compact, carbonate smell |
| 8-9 | 2.5Y 3/2 | dusty red | as above with some black pockets. |
| 9-10 | 2.5Y 3/2 | dusty red | as above, quite consolidated |
| 10-12 | 5Y 3/2 | dark olive gray | as above with mottling and old burrows containing black sediments |
| 12-14 | 5Y 3/2 | dark olive gray | as above |
| 14-16 | 5Y 3/2 | dark olive gray | as above, but black flecks in old burrows, carbonate but slightly sulphidic smell |
| 18-20 | 5Y 3/2 | dark olive gray | as above, old burrows present. |
| 20-25 | 5Y 3/2 | dark olive gray | some increase in water content, some black mottling. |
| 25-30 | 5Y 3/2 | dark olive gray | as above |
| 30-35 | 5Y 3/2 | dark olive gray | as above |
| 35-40 | 5Y 3/2 | dark olive gray | as above |
| 40-45 | 5Y 3/2 | dark olive gray | as above but there was a 1" x 3" piece of wood in the sample |
| 45-50 | 5Y 3/2 | dark olive gray | sediment as above with some woody debris |

Table 1: Continued.

**Core Description GVRD 18**

| | | | |
|---|---|---|---|
| Cruise No. | 2007-67 | Latitude | 48 51.762 |
| Date | November 29, 2007 | Longitude | 123 05.681 |
| Event No. | Not Recorded | Water Depth | 157 m |
| Core Length | 20 cm | | |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | sandy/silty, gray-black with green, shell has, worm tubes, barncle and shelly debris |
| 1-2 | " | " | as above |
| 2-3 | " | " | as above but increased consolidation, slightly "muddier" |
| 3-4 | " | " | odour similar to iodine |
| 4-5 | " | " | sandy, colour as above, some shell debris, increased consolidation |
| 5-6 | " | " | as above, polychaetes present |
| 6-7 | " | " | contains a dried shell layer |
| 7-8 | " | " | no comments |
| 8-9 | " | " | no comments |
| 9-10 | " | " | small holothurian |
| 10-11 | " | " | no comments |
| 11-12 | " | " | consolidated but one side has higher water content, silty |
| 12-13 | " | " | small holothurian |
| 13-14 | " | " | no comments |
| 14-15 | " | " | no comments |
| 15-16 | " | " | no comments |
| 16-17 | " | " | some shell debris |
| 17-18 | " | " | no comments |
| 18-19 | " | " | some shell debris |

**Core Description GVRD 19**

| | | | |
|---|---|---|---|
| Cruise No. | 2007-58 | Latitude | 49 01.12 |
| Date | November 6, 2007 | Longitude | 123 23.09 |
| Event No. | Not Recorded | Water Depth | 255 m |
| Core Length | 21 cm | | |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | 5Y 3/2 | dark olive gray | soupy silty mud, bioturbated, lots of polychaetes |
| 1-2 | 5Y 3/2 | dark olive gray | as above |
| 2-3 | 5Y 3/2 | dark olive gray | as above, increased consolidation, polychaetes, burrows, water pocket |
| 3-4 | 5Y 3/2 | dark olive gray | as above, a piece of heart urchin |
| 4-5 | 5Y 3/2 | dark olive gray | as above |
| 5-6 | 5Y 3/2 | dark olive gray | as above, polychaets, more heart urchin, sediment consolidation. |
| 6-7 | 5Y 3/2 | dark olive gray | as above |
| 7-8 | 5Y 3/2 | dark olive gray | as above, but no more hear urchin present. |

Table 1: Continued.

| Core Description GVRD 19 | | | |
|---|---|---|---|
| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
| 8-9 | 5Y 3/2 | dark olive gray | as above, but some form of hard worm tube present, metallic speckles in the sediments |
| 9-10 | 5Y 2.5/2 | black | as above but slightly darker in colour |
| 10-12 | 5Y 2.5/2 | black | as above but increased water content around the tube |
| 12-14 | 5Y 2.5/2 | black | as above with some brownish mottling |
| 14-16 | 5Y 2.5/2 | black | as above, old burrows infilled with brown deposits |
| 16-18 | 5Y 2.5/2 | black | as above, increased water content |
| 18-20 | 5Y 2.5/2 | black | as above |

| Core Description GVRD 20 | | | |
|---|---|---|---|
| Cruise No. | 2007-67 | Latitude | 49 19.162 |
| Date | November 29, 2007 | Longitude | 123 48.092 |
| Event No. | Not Taken | Water Depth | 365 m |
| Core Length | 57 cm | | |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | dark olive gray with brown mottling, bioturbated, soupy |
| 1-2 | " | " | as above, bioturbated |
| 2-3 | " | " | some brown staining, manganese? |
| 3-4 | " | " | porous, muddy texture |
| 4-5 | " | " | as above with small piece of wood |
| 5-6 | " | " | no comments |
| 6-7 | " | " | no comments |
| 7-8 | " | " | slightly more consolidated with some sulphidic smell |
| 8-9 | " | " | no comments |
| 9-10 | " | " | no comments |
| 10-12 | " | " | no comments |
| 12-14 | " | " | no comments |
| 16-18 | " | " | no comments |
| 18-20 | " | " | no comments |
| 20-25 | " | " | no comments |
| 25-30 | " | " | no comments |
| 30-35 | " | " | uniform consistency, no sulphidic smell |
| 35-40 | " | " | no comments |
| 40-45 | " | " | slightly drier sediments, consolidated |
| 45-50 | " | " | some black mottling |
| 50-55 | " | " | very stiff and consolidated, small piece of shell debris |

Table 1: Continued.

**Core Description GVRD 21**

| | |
|---|---|
| Cruise No. | 2007-67 |
| Date | December 1, 2007 |
| Event No. | Not Taken |
| Core Length | 45.3 cm |

| | |
|---|---|
| Latitude | 49 58.8 |
| Longitude | 125 04.30 |
| Water Depth | 260 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | surface has brown (Mn-oxide?) on surface with dark olive green below, soupy consistency |
| 1-2 | " | " | soupy, some black speckles on surface |
| 2-3 | " | " | no comments |
| 3-4 | " | " | small heart urchin |
| 4-5 | " | " | silty mud, slightly sulphidic, small piece of shell debris |
| 5-6 | " | " | no comments |
| 6-7 | " | " | increased consolidation |
| 7-8 | " | " | no comments |
| 8-9 | " | " | stronger sulphidic smell |
| 9-10 | " | " | no comments |
| 10-12 | " | " | no comments |
| 12-14 | " | " | no comments |
| 14-16 | " | " | piece of shell debris in sample |
| 16-18 | " | " | no comments |
| 18-20 | " | " | Increased consolidation |
| 20-25 | " | " | sulphidic |
| 25-30 | " | " | no comments |
| 30-35 | " | " | sediments dry and sulphidic |
| 35-40 | " | " | no comments |

**Core Description GVRD 22**

| | |
|---|---|
| Cruise No. | 2007-67 |
| Date | December 1, 2007 |
| Event No. | Not Taken |
| Core Length | 69 cm |

| | |
|---|---|
| Latitude | 49 38.192 |
| Longitude | 124 13.642 |
| Water Depth | 373 m |

| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
|---|---|---|---|
| 0-1 | not taken | not taken | top is dark (Mn?), small worms, soupy consistency |
| 1-2 | " | " | olive green and soupy |
| 2-3 | " | " | gel-like consistency |
| 3-4 | " | " | as above |
| 4-5 | " | " | no comments |
| 5-6 | " | " | no comments |
| 6-7 | " | " | no comments |
| 7-8 | " | " | possibly this is the base of the mixed layer, changed to a sticky consistency |
| 8-9 | " | " | no comments |
| 9-10 | " | " | no comments |
| 10-12 | " | " | no comments |
| 12-14 | " | " | some varving, with alternating green and black layers |

Table 1: Continued.

| Core Description GVRD 22 | | | |
|---|---|---|---|
| Core Depth (cm) | Munsell Colour Scale | Munsell Colour | Description/Comments |
| 16-18 | " | " | no varves, sulphidic smell |
| 18-23 | " | " | mottling |
| 23-28 | " | " | dry, no mottling |
| 28-33 | " | " | slight watery content, old burrow? |
| 33-38 | " | " | no comments |
| 38-43 | " | " | woody debris and shell debris |
| 43-48 | " | " | no comments |
| 48-53 | " | " | increased consolidation |

Table 2: Results of the $^{210}Pb$ anaylsis.

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet wt. (g/cm3) (35 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Mid-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Back-Ground Counts | Po-209 counts less detector bck-ground | Po-210 counts | Detector Po-210 Back-Ground Counts | Po-210 counts less detector bach-ground | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Po-210 Total Activity (DPMs) (salt corrected) | Error Po 210 +/-1 S.D. (DPMs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 0 | 1 | 0 | 1 | 4.92 | 5.58 | 1.10 | 0.19 | 0.22 | 0.22 | 0.11 | 2795 | 8 | 2778 | 726 | 5 | 721.00 | 0.497 | 0.430 | 30000 | 1.01 | 17.57 | 10.3601 | 0.4024 |
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 5.68 | 1.31 | 0.25 | 0.28 | 0.50 | 0.36 | 2394 | 9 | 2385 | 737 | 3 | 734.00 | 0.527 | 0.472 | 30000 | 1.01 | 17.57 | 11.2204 | 0.4297 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 5.56 | 1.13 | 0.20 | 0.23 | 0.73 | 0.62 | 2656 | 13 | 2645 | 648 | 5 | 643.00 | 0.559 | 0.487 | 30000 | 1.01 | 17.57 | 11.7914 | 0.4132 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 5.59 | 1.18 | 0.21 | 0.24 | 0.97 | 0.85 | 2167 | 7 | 2160 | 673 | 3 | 670.00 | 0.562 | 0.493 | 30000 | 1.01 | 17.57 | 10.8282 | 0.4349 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 5.70 | 1.30 | 0.23 | 0.26 | 1.24 | 1.11 | 2124 | 11 | 2113 | 568 | 12 | 556.00 | 0.517 | 0.459 | 30000 | 1.01 | 17.57 | 9.8603 | 0.4416 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 5.66 | 1.28 | 0.23 | 0.26 | 1.49 | 1.37 | 2702 | 6 | 2696 | 677 | 4 | 673.00 | 0.496 | 0.439 | 30000 | 1.01 | 17.57 | 9.7819 | 0.3923 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 5.71 | 1.34 | 0.24 | 0.27 | 1.77 | 1.63 | 2116 | 12 | 2104 | 604 | 4 | 596.00 | 0.523 | 0.467 | 30000 | 1.01 | 17.57 | 10.4526 | 0.4651 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 5.72 | 1.34 | 0.24 | 0.27 | 2.04 | 1.90 | 1996 | 11 | 1985 | 492 | 4 | 488.00 | 0.532 | 0.466 | 30000 | 1.01 | 17.57 | 8.6896 | 0.4268 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 5.71 | 1.34 | 0.24 | 0.27 | 2.31 | 2.17 | 2073 | 8 | 2065 | 497 | 5 | 492.00 | 0.553 | 0.484 | 30000 | 1.01 | 17.57 | 8.5108 | 0.3912 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 5.72 | 1.36 | 0.25 | 0.28 | 2.59 | 2.45 | 2107 | 9 | 2098 | 470 | 3 | 467.00 | 0.531 | 0.475 | 30000 | 1.01 | 17.57 | 8.0742 | 0.3669 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 5.76 | 1.42 | 0.26 | 0.58 | 3.16 | 2.88 | 1889 | 13 | 1876 | 308 | 5 | 303.00 | 0.548 | 0.493 | 30000 | 1.01 | 17.57 | 5.6481 | 0.3426 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 5.81 | 1.50 | 0.28 | 0.61 | 3.78 | 3.47 | 2119 | 7 | 2112 | 316 | 3 | 313.00 | 0.530 | 0.480 | 30000 | 1.01 | 17.57 | 6.3217 | 0.3196 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 5.86 | 1.52 | 0.28 | 0.62 | 4.39 | 4.08 | 1990 | 4 | 1986 | 207 | 4 | 203.00 | 0.524 | 0.475 | 30000 | 1.01 | 17.57 | 3.7121 | 0.2743 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 5.83 | 1.52 | 0.28 | 0.62 | 5.01 | 4.70 | 1868 | 11 | 1857 | 185 | 4 | 181.00 | 0.530 | 0.471 | 30000 | 1.01 | 17.57 | 3.5651 | 0.2790 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 5.81 | 1.53 | 0.28 | 0.62 | 5.63 | 5.32 | 2586 | 8 | 2578 | 195 | 5 | 191.00 | 0.537 | 0.487 | 30000 | 1.01 | 17.57 | 2.6204 | 0.2006 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 5.89 | 1.63 | 0.30 | 1.86 | 7.29 | 6.46 | 2032 | 9 | 2023 | 114 | 3 | 111.00 | 0.533 | 0.481 | 30000 | 1.01 | 17.57 | 1.9427 | 0.1954 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 5.84 | 1.63 | 0.30 | 1.86 | 8.95 | 8.12 | 2046 | 13 | 2033 | 85 | 5 | 80.00 | 0.548 | 0.502 | 30000 | 1.01 | 17.57 | 1.3511 | 0.1453 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 5.83 | 1.62 | 0.30 | 1.65 | 10.59 | 9.77 | 2278 | 7 | 2268 | 87 | 3 | 84.00 | 0.544 | 0.497 | 30000 | 1.01 | 17.57 | 1.2437 | 0.1496 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 5.77 | 1.59 | 0.30 | 1.62 | 12.21 | 11.40 | 2029 | 11 | 2018 | 88 | 12 | 76.00 | 0.578 | 0.528 | 30000 | 1.01 | 17.57 | 1.2300 | 0.1670 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 5.86 | 1.59 | 0.32 | 1.72 | 13.93 | 13.07 | 1851 | 12 | 1839 | 64 | 4 | 60.00 | 0.557 | 0.511 | 30000 | 1.01 | 17.57 | 1.1006 | 0.1561 |
| 45-50 | 45 | 50 | 45 | 50 | 4.92 | 6.03 | 1.85 | 0.35 | 1.88 | 15.82 | 14.87 | 2370 | 11 | 2359 | 70 | 4 | 66.00 | 0.565 | 0.523 | 30000 | 1.01 | 17.57 | 0.9233 | 0.1241 |
| 50-55 | 50 | 55 | 50 | 55 | 4.92 | 5.81 | 1.77 | 0.33 | 1.80 | 17.61 | 16.71 | 2463 | 8 | 2455 | 71 | 5 | 66.00 | 0.550 | 0.508 | 30000 | 1.01 | 17.57 | 0.9123 | 0.1243 |
| 12-14 Dup | 12 | 14 | 12 | 14 | 4.92 | 5.81 | 1.50 | 0.28 | 0.61 | 3.78 | 3.47 | 2143 | 11 | 2132 | 262 | 12 | 250.00 | 0.479 | 0.434 | 30000 | 1.01 | 17.57 | 4.6596 | 0.2885 |
| 35-40 Dup | 35 | 40 | 35 | 40 | 4.92 | 5.77 | 1.59 | 0.30 | 1.62 | 12.21 | 11.40 | 1334 | 4 | 1330 | 42 | 4 | 38.00 | 0.520 | 0.475 | 30000 | 1.01 | 17.57 | 1.0372 | 0.1745 |
| **Core 2** | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 0 | 1 | 0 | 1.0 | 4.92 | 6.39 | 2.30 | 0.44 | 0.47 | 0.47 | 0.23 | 807 | 7 | 800 | 251 | 4 | 247.00 | 0.572 | 0.539 | 30000 | 1.01 | 17.57 | 9.8036 | 0.6595 |
| 1-2 | 1 | 2 | 1 | 2.0 | 4.92 | 6.76 | 2.80 | 0.54 | 0.57 | 1.04 | 0.75 | 733 | 5 | 728 | 256 | 3 | 255.00 | 0.594 | 0.566 | 30000 | 1.01 | 17.57 | 10.6942 | 0.6973 |
| 2-3 | 2 | 3 | 2 | 3.0 | 4.92 | 6.84 | 2.94 | 0.57 | 0.60 | 1.63 | 1.34 | 738 | 14 | 724 | 230 | 13 | 217.00 | 0.509 | 0.487 | 30000 | 1.01 | 17.57 | 10.6498 | 0.7872 |
| 3-4 | 3 | 4 | 3 | 4.0 | 4.92 | 7.17 | 3.55 | 0.70 | 0.72 | 2.36 | 1.99 | 990 | 5 | 985 | 297 | 3 | 294.00 | 0.537 | 0.519 | 30000 | 1.01 | 17.57 | 9.6143 | 0.5928 |
| 4-5 | 4 | 5 | 4 | 5.0 | 4.92 | 6.88 | 3.11 | 0.61 | 0.63 | 2.99 | 2.67 | 1162 | 8 | 1154 | 335 | 7 | 328.00 | 0.582 | 0.549 | 30000 | 1.01 | 17.57 | 8.7987 | 0.5104 |
| 5-6 | 5 | 6 | 5 | 6.0 | 4.92 | 6.89 | 3.08 | 0.60 | 0.63 | 3.61 | 3.30 | 796 | 7 | 789 | 236 | 7 | 229.00 | 0.542 | 0.520 | 30000 | 1.01 | 17.57 | 3.6561 | 0.6163 |
| 6-7 | 6 | 7 | 6 | 7.0 | 4.92 | 6.85 | 3.11 | 0.61 | 0.63 | 4.24 | 3.93 | 594 | 8 | 586 | 168 | 4 | 164.00 | 0.528 | 0.507 | 30000 | 1.01 | 17.57 | 9.5466 | 0.7854 |
| 7-8 | 7 | 8 | 7 | 8.0 | 4.92 | 6.98 | 3.17 | 0.62 | 0.65 | 4.89 | 4.57 | 1259 | 5 | 1254 | 347 | 3 | 344.00 | 0.545 | 0.514 | 30000 | 1.01 | 17.57 | 9.2340 | 0.5166 |
| 8-9 | 8 | 9 | 8 | 9.0 | 4.92 | 6.24 | 3.31 | 0.65 | 0.67 | 5.56 | 5.23 | 598 | 7 | 591 | 177 | 4 | 173.00 | 0.553 | 0.537 | 30000 | 1.01 | 17.57 | 9.4366 | 0.7544 |
| 9-10 | 9 | 10 | 9 | 10.0 | 4.92 | 7.01 | 3.25 | 0.64 | 0.66 | 6.22 | 5.89 | 954 | 5 | 949 | 291 | 3 | 288.00 | 0.525 | 0.505 | 30000 | 1.01 | 17.57 | 10.3958 | 0.6666 |
| 10-12 | 10 | 12 | 10 | 12.0 | 4.92 | 7.10 | 3.41 | 0.67 | 1.38 | 7.61 | 6.92 | 703 | 14 | 689 | 193 | 13 | 180.00 | 0.542 | 0.523 | 30000 | 1.01 | 17.57 | 8.6480 | 0.7092 |
| 12-14 | 12 | 14 | 12 | 14.0 | 4.92 | 7.30 | 3.80 | 0.74 | 1.55 | 9.16 | 8.38 | 679 | 5 | 674 | 182 | 3 | 179.00 | 0.552 | 0.530 | 30000 | 1.01 | 17.57 | 8.5909 | 0.6712 |
| 14-16 | 14 | 16 | 14 | 16.0 | 4.92 | 7.87 | 4.28 | 0.84 | 1.72 | 10.89 | 10.02 | 962 | 8 | 954 | 181 | 7 | 174.00 | 0.508 | 0.495 | 30000 | 1.01 | 17.57 | 6.3841 | 0.5171 |
| 16-18 | 16 | 18 | 16 | 18.0 | 4.92 | 7.13 | 3.62 | 0.71 | 1.47 | 12.36 | 11.62 | 723 | 7 | 716 | 93 | 7 | 86.00 | 0.516 | 0.499 | 30000 | 1.01 | 17.57 | 4.1615 | 0.4975 |
| 18-20 | 18 | 20 | 18 | 20.0 | 4.92 | 7.32 | 3.72 | 0.73 | 1.51 | 13.87 | 13.11 | 612 | 8 | 604 | 77 | 4 | 73.00 | 0.561 | 0.549 | 30000 | 1.01 | 17.57 | 3.8105 | 0.4831 |
| 20-25 | 20 | 25 | 20 | 25.0 | 4.92 | 7.26 | 3.68 | 0.75 | 3.63 | 17.50 | 15.69 | 1203 | 5 | 1198 | 142 | 3 | 139.00 | 0.532 | 0.514 | 30000 | 1.01 | 17.57 | 3.9044 | 0.3478 |
| 25-30 | 25 | 30 | 25 | 30.0 | 4.92 | 7.17 | 3.48 | 0.69 | 3.55 | 21.05 | 19.28 | 911 | 14 | 897 | 76 | 13 | 63.00 | 0.585 | 0.565 | 30000 | 1.01 | 17.57 | 2.1519 | 0.3374 |
| 30-35 | 30 | 35 | 30 | 35.0 | 4.92 | 7.10 | 3.42 | 0.67 | 3.47 | 24.52 | 22.79 | 1263 | 7 | 1256 | 100 | 4 | 96.00 | 0.560 | 0.540 | 30000 | 1.01 | 17.57 | 2.4486 | 0.2673 |
| 35-40 | 35 | 40 | 35 | 40.0 | 4.92 | 7.22 | 3.51 | 0.69 | 3.57 | 28.09 | 26.31 | 1303 | 5 | 1298 | 68 | 3 | 65.00 | 0.516 | 0.498 | 30000 | 1.01 | 17.57 | 2.2749 | 0.2829 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 7.35 | 3.63 | 0.71 | 3.68 | 31.78 | 29.94 | 996 | 5 | 991 | 73 | 3 | 70.00 | 0.580 | 0.558 | 30000 | 1.01 | 17.57 | 2.1813 | 0.2794 |
| 35-40 Duplicate | 35 | 40 | 35 | 40.0 | 4.92 | 7.10 | 3.42 | 0.69 | 3.57 | 28.09 | 26.31 | 1360 | 14 | 1356 | 105 | 13 | 92.00 | 0.576 | 0.554 | 30000 | 1.01 | 17.57 | 2.0310 | 0.2550 |
| 40-45 Duplicate | 40 | 45 | 40 | 45 | 4.92 | 7.35 | 3.63 | 0.74 | 3.68 | 31.78 | 29.94 | 671 | 8 | 663 | 62 | 7 | 55.00 | 0.559 | 0.540 | 30000 | 1.01 | 17.57 | 2.0580 | 0.4128 |
| **Core 3** | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 0 | 1 | 0 | 1 | 4.92 | 7.43 | 3.54 | 0.69 | 0.69 | 0.69 | 0.35 | 2268 | 7 | 2261 | 254 | 4 | 250.00 | 0.543 | 0.523 | 30000 | 1.02 | 17.62 | 3.6604 | 0.2432 |
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 7.43 | 3.85 | 0.76 | 0.76 | 1.45 | 1.07 | 1977 | 5 | 1972 | 181 | 3 | 178.00 | 0.516 | 0.503 | 30000 | 1.02 | 17.62 | 3.1067 | 0.2450 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 7.50 | 3.96 | 0.78 | 0.78 | 2.23 | 1.84 | 1991 | 14 | 1977 | 227 | 13 | 214.00 | 0.516 | 0.503 | 30000 | 1.02 | 17.62 | 3.7304 | 0.2793 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 7.71 | 4.32 | 0.85 | 0.85 | 3.09 | 2.66 | 2053 | 5 | 2048 | 206 | 3 | 203.00 | 0.532 | 0.518 | 30000 | 1.02 | 17.62 | 3.3139 | 0.2441 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 7.83 | 4.49 | 0.89 | 0.89 | 3.98 | 3.53 | 2498 | 6 | 2491 | 246 | 7 | 239.00 | 0.515 | 0.502 | 30000 | 1.02 | 17.62 | 3.3066 | 0.2277 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 8.13 | 5.11 | 1.03 | 1.03 | 5.01 | 4.49 | 2001 | 7 | 1994 | 196 | 7 | 189.00 | 0.528 | 0.517 | 30000 | 1.02 | 17.62 | 3.1140 | 0.2476 |
| 5-7 | 6 | 7 | 6 | 7 | 4.92 | 7.97 | 4.71 | 0.93 | 0.93 | 5.94 | 5.47 | 1843 | 8 | 1835 | 214 | 4 | 210.00 | 0.519 | 0.507 | 30000 | 1.02 | 17.62 | 3.9095 | 0.2843 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 8.26 | 5.05 | 1.00 | 1.00 | 6.95 | 6.44 | 1444 | 5 | 1439 | 131 | 3 | 128.00 | 0.543 | 0.532 | 30000 | 1.02 | 17.62 | 2.8987 | 0.2711 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 8.43 | 5.44 | 1.09 | 1.09 | 8.03 | 7.49 | 2390 | 7 | 2383 | 172 | 4 | 168.00 | 0.564 | 0.554 | 30000 | 1.02 | 17.62 | 2.4055 | 0.1801 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 8.76 | 5.82 | 1.18 | 1.18 | 9.22 | 8.62 | 1145 | 14 | 1131 | 111 | 13 | 98.00 | 0.546 | 0.533 | 30000 | 1.02 | 17.62 | 2.4153 | 0.3226 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 8.78 | 5.79 | 1.18 | 2.23 | 11.45 | 10.33 | 1903 | 5 | 1898 | 145 | 3 | 142.00 | 0.519 | 0.509 | 30000 | 1.02 | 17.62 | 2.5453 | 0.2455 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 8.29 | 5.36 | 1.07 | 2.14 | 13.59 | 12.52 | 1377 | 8 | 1369 | 112 | 1 | 105.00 | 0.536 | 0.508 | 30000 | 1.02 | 17.62 | 2.3245 | 0.2113 |

## Table 2: Continued.

Core 3

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet co. (g/cm3) (35 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Plot-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Back-Ground Counts | Po-209 counts less detector back-ground | Po-210 counts | Detector Po-210 Back-Ground Counts | Po-210 counts less detector back-ground | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Po-210 Total Activity (DPM/g) (salt corrected) | Error Po 210 +/-1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 8.23 | 5.09 | 1.01 | 2.03 | 15.61 | 14.60 | 1766 | 7 | 1759 | 141 | 7 | 134.00 | 0.509 | 0.499 | 30000 | 1.02 | 17.62 | 2.6469 | 0.2485 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 8.17 | 5.04 | 1.00 | 2.01 | 17.62 | 16.62 | 1515 | 8 | 1507 | 109 | 4 | 105.00 | 0.506 | 0.496 | 30000 | 1.02 | 17.62 | 2.4354 | 0.2550 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 7.96 | 4.70 | 0.93 | 1.87 | 19.49 | 18.55 | 1814 | 5 | 1809 | 128 | 3 | 125.00 | 0.512 | 0.500 | 30000 | 1.02 | 17.62 | 2.3927 | 0.2266 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 7.96 | 4.75 | 0.95 | 4.75 | 24.24 | 21.86 | 1721 | 7 | 1714 | 105 | 4 | 102.00 | 0.505 | 0.494 | 30000 | 1.02 | 17.62 | 2.0674 | 0.2220 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 8.01 | 4.75 | 0.94 | 4.72 | 28.95 | 26.60 | 2179 | 5 | 2174 | 138 | 3 | 135.00 | 0.531 | 0.519 | 30000 | 1.02 | 17.62 | 2.0729 | 0.1886 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 8.26 | 5.02 | 1.00 | 5.00 | 33.95 | 31.45 | 2138 | 5 | 2133 | 117 | 3 | 114.00 | 0.532 | 0.521 | 30000 | 1.02 | 17.62 | 1.7782 | 0.1767 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 8.22 | 5.09 | 1.01 | 5.07 | 39.02 | 36.49 | 2056 | 7 | 2049 | 119 | 7 | 112.00 | 0.520 | 0.509 | 30000 | 1.02 | 17.62 | 1.8587 | 0.1927 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 8.15 | 4.91 | 0.98 | 4.88 | 43.90 | 41.46 | 1439 | 5 | 1434 | 80 | 3 | 77.00 | 0.551 | 0.539 | 30000 | 1.02 | 17.62 | 1.7259 | 0.2112 |
| 6-7 Duplicate | 6 | 7 | 6 | 7 | 4.92 | 7.97 | 4.71 | 0.93 | 0.93 | 5.94 | 5.47 | 2355 | 5 | 2350 | 197 | 3 | 194.00 | 0.456 | 0.446 | 30000 | 1.02 | 17.62 | 3.2098 | 0.2420 |
| 8-9 Duplicate | 8 | 9 | 8 | 9 | 4.92 | 8.43 | 5.44 | 1.09 | 1.09 | 8.03 | 7.49 | 2513 | 8 | 2505 | 186 | 7 | 179.00 | 0.545 | 0.535 | 30000 | 1.02 | 17.62 | 2.3134 | 0.1857 |
| 30-35 Duplicate | 30 | 35 | 30 | 35 | 4.92 | 8.26 | 5.02 | 1.00 | 5.00 | 33.95 | 31.45 | 1501 | 8 | 1493 | 88 | 4 | 81.00 | 0.555 | 0.543 | 30000 | 1.02 | 17.62 | 1.7303 | 0.2153 |
| 40-45 Duplicate | 40 | 45 | 40 | 45 | 4.92 | 8.15 | 4.91 | 0.98 | 4.88 | 43.90 | 41.46 | 1568 | 7 | 1559 | 90 | 4 | 86.00 | 0.530 | 0.518 | 30000 | 1.02 | 17.62 | 1.8434 | 0.2148 |

Core 4

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0 | 1 | 0 | 1 | 4.92 | 7.77 | 4.47 | 0.89 | 0.89 | 0.89 | 0.44 | 2430 | 14 | 2416 | 202 | 13 | 189.00 | 0.525 | 0.512 | 30000 | 1.02 | 17.62 | 2.6460 | 0.2121 |
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 7.75 | 4.34 | 0.86 | 0.86 | 1.75 | 1.32 | 2487 | 5 | 2482 | 220 | 3 | 217.00 | 0.541 | 0.527 | 30000 | 1.02 | 17.62 | 2.8976 | 0.2062 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 7.77 | 4.40 | 0.87 | 0.87 | 2.62 | 2.18 | 1976 | 8 | 1968 | 180 | 7 | 173.00 | 0.516 | 0.503 | 30000 | 1.02 | 17.62 | 3.0281 | 0.2476 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 7.87 | 4.53 | 0.90 | 0.90 | 3.52 | 3.07 | 1767 | 7 | 1760 | 141 | 7 | 134.00 | 0.509 | 0.497 | 30000 | 1.02 | 17.62 | 2.6559 | 0.2494 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 7.91 | 4.58 | 0.91 | 0.91 | 4.42 | 3.97 | 1628 | 8 | 1620 | 144 | 4 | 140.00 | 0.546 | 0.533 | 30000 | 1.02 | 17.62 | 2.8096 | 0.2525 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 7.91 | 4.61 | 0.92 | 0.92 | 5.34 | 4.88 | 1619 | 5 | 1614 | 133 | 3 | 130.00 | 0.524 | 0.512 | 30000 | 1.02 | 17.62 | 2.7273 | 0.2530 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 8.23 | 5.04 | 1.00 | 1.00 | 6.34 | 5.84 | 2047 | 7 | 2040 | 163 | 4 | 159.00 | 0.519 | 0.508 | 30000 | 1.02 | 17.62 | 2.6571 | 0.2234 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 8.19 | 5.05 | 1.00 | 1.00 | 7.35 | 6.85 | 1700 | 14 | 1686 | 156 | 13 | 143.00 | 0.537 | 0.526 | 30000 | 1.02 | 17.62 | 2.7937 | 0.2627 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 8.19 | 5.17 | 1.03 | 1.03 | 8.38 | 7.86 | 2551 | 5 | 2546 | 221 | 3 | 218.00 | 0.520 | 0.510 | 30000 | 1.02 | 17.62 | 2.9069 | 0.2066 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 8.32 | 5.25 | 1.05 | 1.05 | 9.42 | 8.90 | 2101 | 8 | 2093 | 174 | 7 | 167.00 | 0.558 | 0.548 | 30000 | 1.02 | 17.62 | 2.5214 | 0.2101 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 8.37 | 5.37 | 1.07 | 2.14 | 11.57 | 10.50 | 1694 | 8 | 1686 | 146 | 4 | 142.00 | 0.511 | 0.502 | 30000 | 1.02 | 17.62 | 2.8089 | 0.2595 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 8.40 | 5.39 | 1.08 | 2.15 | 13.72 | 12.64 | 2029 | 5 | 2024 | 193 | 3 | 190.00 | 0.551 | 0.541 | 30000 | 1.02 | 17.62 | 3.0066 | 0.2292 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 8.20 | 5.12 | 1.02 | 2.04 | 15.76 | 14.74 | 1492 | 7 | 1485 | 114 | 4 | 110.00 | 0.498 | 0.488 | 30000 | 1.02 | 17.62 | 2.6290 | 0.2665 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 8.36 | 5.34 | 1.07 | 2.13 | 17.89 | 16.83 | 1852 | 14 | 1838 | 161 | 13 | 148.00 | 0.510 | 0.501 | 30000 | 1.02 | 17.62 | 2.7872 | 0.2568 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 8.44 | 5.44 | 1.08 | 2.17 | 20.06 | 18.98 | 2120 | 5 | 2115 | 201 | 3 | 198.00 | 0.521 | 0.512 | 30000 | 1.02 | 17.62 | 3.1708 | 0.2166 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 8.54 | 5.65 | 1.13 | 5.64 | 25.70 | 22.88 | 2248 | 8 | 2240 | 180 | 7 | 173.00 | 0.494 | 0.486 | 30000 | 1.02 | 17.62 | 2.7552 | 0.2253 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 8.46 | 5.51 | 1.10 | 5.50 | 31.20 | 28.45 | 2232 | 8 | 2224 | 184 | 4 | 180.00 | 0.502 | 0.493 | 30000 | 1.02 | 17.62 | 2.8434 | 0.2240 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 8.34 | 5.31 | 1.06 | 5.29 | 36.49 | 33.85 | 2115 | 7 | 2108 | 189 | 4 | 185.00 | 0.494 | 0.485 | 30000 | 1.02 | 17.62 | 3.1359 | 0.2436 |
| 20-25 Duplicate | 20 | 25 | 20 | 25 | 4.92 | 8.54 | 5.65 | 1.13 | 5.64 | 25.70 | 22.88 | 1753 | 7 | 1746 | 143 | 7 | 136.00 | 0.523 | 0.514 | 30000 | 1.02 | 17.62 | 2.6246 | 0.2445 |
| 25-30 Duplicate | 25 | 30 | 25 | 30 | 4.92 | 8.46 | 5.51 | 1.10 | 5.50 | 31.20 | 28.45 | 2080 | 5 | 2075 | 210 | 3 | 207.00 | 0.557 | 0.547 | 30000 | 1.02 | 17.62 | 3.1587 | 0.2303 |

Core 5

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0 | 1 | 0 | 1 | 4.92 | 6.12 | 1.91 | 0.36 | 0.36 | 0.36 | 0.18 | 1728 | 7 | 1721 | 653 | 4 | 649.00 | 0.543 | 0.503 | 30000 | 1.01 | 17.62 | 12.1615 | 0.4861 |
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 6.13 | 2.00 | 0.38 | 0.38 | 0.74 | 0.55 | 1612 | 5 | 1607 | 668 | 3 | 665.00 | 0.532 | 0.496 | 30000 | 1.01 | 17.62 | 13.8212 | 0.5370 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 6.29 | 2.13 | 0.41 | 0.41 | 1.14 | 0.94 | 2365 | 14 | 2351 | 1008 | 13 | 996.00 | 0.517 | 0.484 | 30000 | 1.01 | 17.62 | 14.3495 | 0.4661 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 6.30 | 2.22 | 0.42 | 0.42 | 1.57 | 1.36 | 1509 | 5 | 1504 | 533 | 3 | 530.00 | 0.531 | 0.496 | 30000 | 1.01 | 17.62 | 11.6213 | 0.5138 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 6.39 | 2.09 | 0.39 | 0.39 | 1.96 | 1.76 | 2134 | 8 | 2126 | 859 | 7 | 852.00 | 0.518 | 0.482 | 30000 | 1.01 | 17.62 | 13.5478 | 0.4736 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 6.45 | 2.33 | 0.45 | 0.45 | 2.40 | 2.18 | 1962 | 7 | 1875 | 759 | 7 | 752.00 | 0.526 | 0.497 | 30000 | 1.01 | 17.62 | 12.5281 | 0.4704 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 6.49 | 2.40 | 0.46 | 0.46 | 2.86 | 2.63 | 2430 | 8 | 2422 | 886 | 4 | 882.00 | 0.526 | 0.498 | 30000 | 1.01 | 17.62 | 12.0776 | 0.4134 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 6.54 | 2.56 | 0.49 | 0.49 | 3.35 | 3.11 | 1339 | 5 | 1334 | 390 | 3 | 387.00 | 0.506 | 0.480 | 30000 | 1.01 | 17.62 | 10.0398 | 0.5205 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 6.57 | 2.59 | 0.50 | 0.50 | 3.86 | 3.61 | 2865 | 7 | 2858 | 1041 | 4 | 1037.00 | 0.523 | 0.499 | 30000 | 1.01 | 17.62 | 12.1489 | 0.3833 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 6.88 | 2.80 | 0.54 | 0.54 | 4.40 | 4.13 | 2763 | 5 | 2758 | 1059 | 3 | 1056.00 | 0.551 | 0.524 | 30000 | 1.01 | 17.62 | 12.1686 | 0.3800 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 6.70 | 2.80 | 0.54 | 1.09 | 5.48 | 4.94 | 1752 | 14 | 1738 | 618 | 13 | 605.00 | 0.534 | 0.510 | 30000 | 1.01 | 17.62 | 11.4153 | 0.4797 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 6.73 | 2.92 | 0.57 | 1.14 | 6.62 | 6.05 | 2568 | 14 | 2554 | 855 | 13 | 842.00 | 0.521 | 0.500 | 30000 | 1.01 | 17.62 | 11.0809 | 0.3924 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 6.43 | 2.66 | 0.51 | 1.03 | 7.65 | 7.14 | 2135 | 8 | 2127 | 696 | 7 | 689.00 | 0.504 | 0.479 | 30000 | 1.01 | 17.62 | 11.2549 | 0.4383 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 6.65 | 2.82 | 0.55 | 1.09 | 8.74 | 8.20 | 1941 | 7 | 1934 | 585 | 7 | 578.00 | 0.521 | 0.497 | 30000 | 1.01 | 17.62 | 10.0451 | 0.4278 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 6.74 | 2.77 | 0.54 | 1.07 | 9.81 | 9.28 | 1306 | 8 | 1298 | 360 | 4 | 356.00 | 0.514 | 0.489 | 30000 | 1.01 | 17.62 | 9.3440 | 0.5068 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 6.80 | 2.78 | 0.54 | 2.69 | 12.50 | 11.16 | 1404 | 5 | 1399 | 461 | 3 | 458.00 | 0.545 | 0.520 | 30000 | 1.01 | 17.62 | 10.5190 | 0.5007 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 6.69 | 2.39 | 0.46 | 2.28 | 14.79 | 13.64 | 1260 | 7 | 1253 | 301 | 4 | 297.00 | 0.573 | 0.539 | 30000 | 1.01 | 17.62 | 7.2439 | 0.4311 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 6.74 | 3.57 | 0.73 | 3.63 | 18.41 | 16.60 | 1121 | 5 | 1116 | 224 | 3 | 221.00 | 0.508 | 0.508 | 30000 | 1.01 | 17.62 | 9.8263 | 0.4710 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 6.74 | 2.95 | 0.60 | 3.00 | 21.41 | 19.91 | 1942 | 14 | 1928 | 417 | 13 | 404.00 | 0.545 | 0.545 | 30000 | 1.01 | 17.62 | 6.7329 | 0.3497 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 6.78 | 2.81 | 0.57 | 2.86 | 24.27 | 22.84 | 1256 | 8 | 1248 | 184 | 7 | 177.00 | 0.516 | 0.516 | 30000 | 1.01 | 17.62 | 4.8132 | 0.3803 |
| 45-50 | 45 | 50 | 45 | 50 | 4.92 | 6.78 | 2.99 | 0.61 | 3.04 | 27.31 | 25.79 | 1255 | 8 | 1247 | 193 | 4 | 189.00 | 0.506 | 0.506 | 30000 | 1.01 | 17.62 | 5.2453 | 0.3942 |
| 35-40 Duplicate | 35 | 40 | 35 | 40 | 4.92 | 6.74 | 2.95 | 0.60 | 3.00 | 21.41 | 19.91 | 1174 | 5 | 1169 | 214 | 3 | 211.00 | 0.501 | 0.501 | 30000 | 1.01 | 17.62 | 6.3089 | 0.4458 |
| 45-50 Duplicate | 45 | 50 | 45 | 50 | 4.92 | 6.78 | 2.99 | 0.61 | 3.04 | 27.31 | 25.79 | 1951 | 5 | 1946 | 277 | 3 | 274.00 | 0.508 | 0.508 | 30000 | 1.01 | 17.62 | 4.8536 | 0.3000 |

Table 2: Continued.

Core 8

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet ac. (g/cm3) (93 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Flat-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Back-Ground Counts | Po-209 counts less detector back-ground | Po-210 counts | Detector Po-210 Back-Ground Counts | Po-210 counts less detector back-ground | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Po-210 Total Activity (DPM/g) (salt corrected) | Error Po-210 +/-1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0 | 1 | 0 | 1 | 4.92 | 6.10 | 1.93 | 0.36 | 0.39 | 0.39 | 0.20 | 1163 | 8 | 1375 | 953 | 5 | 948.00 | 0.514 | 0.514 | 30000 | 1.01 | 17.57 | 23.1367 | 0.7188 |
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 6.50 | 2.53 | 0.49 | 0.51 | 0.49 | 0.65 | 1519 | 9 | 1510 | 984 | 3 | 981.00 | 0.542 | 0.542 | 30000 | 1.01 | 17.57 | 20.1084 | 0.6428 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 7.50 | 2.88 | 0.55 | 0.59 | 0.55 | 1.20 | 1651 | 13 | 1638 | 1136 | 5 | 1131.00 | 0.526 | 0.526 | 30000 | 1.01 | 17.57 | 22.7369 | 0.6963 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 6.89 | 3.25 | 0.64 | 0.66 | 0.64 | 1.82 | 1967 | 7 | 1960 | 1151 | 3 | 1148.00 | 0.556 | 0.556 | 30000 | 1.01 | 17.57 | 24.4871 | 0.7453 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 7.25 | 3.65 | 0.72 | 0.74 | 0.72 | 2.52 | 905 | 11 | 954 | 852 | 12 | 840.00 | 0.531 | 0.531 | 30000 | 1.01 | 17.57 | 21.8624 | 0.9051 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 7.39 | 3.79 | 0.75 | 0.77 | 0.75 | 3.28 | 1139 | 4 | 1135 | 798 | 4 | 794.00 | 0.540 | 0.540 | 30000 | 1.01 | 17.57 | 22.4433 | 0.8230 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 7.41 | 3.83 | 0.75 | 0.78 | 0.75 | 4.05 | 1778 | 12 | 1766 | 1243 | 4 | 1238.00 | 0.568 | 0.568 | 30000 | 1.01 | 17.57 | 21.3892 | 0.6254 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 7.35 | 3.78 | 0.74 | 0.77 | 0.74 | 4.82 | 872 | 11 | 861 | 507 | 4 | 503.00 | 0.575 | 0.575 | 30000 | 1.01 | 17.57 | 22.9177 | 1.0589 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 7.51 | 4.07 | 0.80 | 0.83 | 0.80 | 5.62 | 837 | 11 | 826 | 663 | 12 | 651.00 | 0.550 | 0.550 | 30000 | 1.01 | 17.57 | 22.1217 | 0.9075 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 7.61 | 4.24 | 0.84 | 0.86 | 0.84 | 6.47 | 935 | 4 | 931 | 968 | 4 | 964.00 | 0.564 | 0.564 | 30000 | 1.01 | 17.57 | 21.9035 | 0.8799 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 7.70 | 4.48 | 0.89 | 1.82 | 0.89 | 7.61 | 953 | 8 | 945 | 584 | 5 | 579.00 | 0.498 | 0.498 | 30000 | 1.01 | 17.57 | 21.1111 | 0.8180 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 7.70 | 4.34 | 0.86 | 1.75 | 0.86 | 9.50 | 1494 | 9 | 1485 | 1135 | 3 | 1132.00 | 0.502 | 0.502 | 30000 | 1.01 | 17.57 | 23.5193 | 0.7694 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 7.70 | 4.55 | 0.90 | 1.85 | 0.90 | 11.41 | 1216 | 12 | 1204 | 688 | 4 | 684.00 | 0.485 | 0.485 | 30000 | 1.01 | 17.57 | 19.705 | 0.7606 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 7.69 | 4.41 | 0.87 | 1.79 | 0.87 | 13.23 | 1080 | 11 | 1069 | 715 | 4 | 711.00 | 0.579 | 0.579 | 30000 | 1.01 | 17.57 | 18.8778 | 0.7104 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 7.70 | 4.36 | 0.86 | 1.77 | 0.86 | 15.01 | 1217 | 8 | 1209 | 774 | 5 | 769.00 | 0.535 | 0.535 | 30000 | 1.01 | 17.57 | 20.9953 | 0.7718 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 7.60 | 4.60 | 0.91 | 4.67 | 0.91 | 19.23 | 1469 | 9 | 1460 | 852 | 3 | 849.00 | 0.519 | 0.519 | 30000 | 1.01 | 17.57 | 19.5409 | 0.6911 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 7.97 | 4.84 | 0.96 | 4.92 | 0.96 | 23.03 | 1197 | 13 | 1182 | 597 | 5 | 592.00 | 0.503 | 0.503 | 30000 | 1.01 | 17.57 | 17.7459 | 0.7344 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 7.65 | 4.34 | 0.86 | 4.41 | 0.86 | 27.09 | 1337 | 11 | 1326 | 756 | 12 | 744.00 | 0.509 | 0.509 | 30000 | 1.01 | 17.57 | 17.5883 | 0.7208 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 7.73 | 4.56 | 0.93 | 4.63 | 0.93 | 30.21 | 844 | 4 | 840 | 357 | 4 | 353.00 | 0.513 | 0.513 | 30000 | 1.01 | 17.57 | 19.7931 | 0.9172 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 7.82 | 4.81 | 0.92 | 4.69 | 0.92 | 32.67 | 962 | 12 | 950 | 413 | 4 | 409.00 | 0.514 | 0.514 | 30000 | 1.01 | 17.57 | 19.1777 | 0.7444 |
| 25-30 Duplicate | 25 | 30 | 25 | 30 | 4.92 | 7.97 | 4.84 | 0.96 | 4.92 | 0.96 | 23.03 | 1193 | 7 | 1186 | 649 | 3 | 646.00 | 0.533 | 0.533 | 30000 | 1.01 | 17.57 | 18.9960 | 0.7184 |
| 30-35 Duplicate | 30 | 35 | 30 | 35 | 4.92 | 7.65 | 4.34 | 0.88 | 4.41 | 0.88 | 27.09 | 1249 | 4 | 1245 | 599 | 4 | 595.00 | 0.509 | 0.509 | 30000 | 1.01 | 17.57 | 14.5094 | 0.7448 |

Core 7

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0 | 1 | 0 | 1 | 4.92 | 7.32 | 3.72 | 0.73 | 0.77 | 0.73 | 0.37 | 1178 | 11 | 1167 | 435 | 12 | 424.00 | 0.502 | 0.486 | 30000 | 0.51 | 19.53 | 7.4779 | 0.3733 |
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 7.66 | 4.20 | 0.83 | 0.83 | 1.56 | 1.15 | 1116 | 4 | 1112 | 420 | 4 | 416.00 | 0.559 | 0.544 | 30000 | 0.51 | 19.53 | 6.8807 | 0.3409 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 7.94 | 5.02 | 1.00 | 1.00 | 2.56 | 2.09 | 951 | 12 | 939 | 352 | 4 | 348.00 | 0.620 | 0.608 | 30000 | 0.51 | 19.53 | 5.0803 | 0.2395 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 8.48 | 5.49 | 1.10 | 1.10 | 3.66 | 3.11 | 950 | 11 | 939 | 305 | 4 | 301.00 | 0.603 | 0.603 | 30000 | 0.51 | 19.53 | 4.9218 | 0.2874 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 8.17 | 5.08 | 1.01 | 1.01 | 4.67 | 4.17 | 772 | 8 | 764 | 253 | 5 | 248.00 | 0.600 | 0.588 | 30000 | 0.51 | 19.53 | 5.1221 | 0.3577 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 8.30 | 5.20 | 1.04 | 1.04 | 5.71 | 5.19 | 925 | 9 | 916 | 232 | 3 | 229.00 | 0.605 | 0.593 | 30000 | 0.51 | 19.53 | 4.1963 | 0.2692 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 8.36 | 5.27 | 1.05 | 1.05 | 6.76 | 6.23 | 865 | 13 | 852 | 230 | 5 | 225.00 | 0.568 | 0.557 | 30000 | 0.51 | 19.53 | 4.7993 | 0.3259 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 8.45 | 5.32 | 1.10 | 1.10 | 7.86 | 7.31 | 1294 | 7 | 1287 | 383 | 3 | 380.00 | 0.596 | 0.585 | 30000 | 0.51 | 19.53 | 5.0180 | 0.2594 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 8.78 | 6.03 | 1.21 | 1.21 | 9.07 | 8.46 | 983 | 11 | 972 | 186 | 12 | 174.00 | 0.586 | 0.577 | 30000 | 0.51 | 19.53 | 3.1002 | 0.2208 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 8.97 | 6.14 | 1.27 | 1.27 | 10.34 | 9.70 | 1116 | 4 | 1112 | 124 | 4 | 120.00 | 0.638 | 0.629 | 30000 | 0.51 | 19.53 | 1.7152 | 0.1827 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 8.68 | 5.88 | 1.18 | 2.35 | 12.69 | 11.51 | 1340 | 12 | 1328 | 133 | 4 | 129.00 | 0.508 | 0.500 | 30000 | 0.51 | 19.53 | 1.9452 | 0.1763 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 8.80 | 5.74 | 1.15 | 2.29 | 14.98 | 13.84 | 1398 | 6 | 1348 | 123 | 5 | 118.00 | 0.652 | 0.641 | 30000 | 0.51 | 19.53 | 1.6859 | 0.1311 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 8.30 | 5.16 | 1.07 | 2.15 | 17.13 | 16.05 | 1529 | 9 | 1520 | 187 | 3 | 184.00 | 0.565 | 0.555 | 30000 | 0.51 | 19.53 | 2.1620 | 0.1635 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 8.21 | 5.25 | 1.05 | 2.10 | 19.22 | 18.18 | 1268 | 13 | 1255 | 184 | 5 | 179.00 | 0.601 | 0.590 | 30000 | 0.51 | 19.53 | 2.1446 | 0.1757 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 8.34 | 5.25 | 1.05 | 2.09 | 21.32 | 20.27 | 1318 | 7 | 1312 | 223 | 3 | 220.00 | 0.838 | 0.822 | 30000 | 0.51 | 19.53 | 2.0409 | 0.1393 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 7.74 | 4.90 | 0.98 | 4.88 | 26.20 | 23.76 | 1458 | 4 | 1454 | 272 | 4 | 268.00 | 0.818 | 0.800 | 30000 | 0.51 | 19.53 | 2.3033 | 0.1428 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 7.74 | 4.44 | 0.88 | 4.40 | 30.60 | 28.40 | 1432 | 12 | 1420 | 88 | 4 | 84.00 | 0.501 | 0.489 | 30000 | 0.51 | 19.53 | 1.2106 | 0.1182 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 7.73 | 4.54 | 0.90 | 4.51 | 35.11 | 32.86 | 1401 | 11 | 1390 | 91 | 4 | 77.00 | 0.590 | 0.567 | 30000 | 0.51 | 19.53 | 0.9775 | 0.1171 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 7.68 | 4.31 | 0.85 | 4.27 | 39.38 | 37.25 | 920 | 9 | 911 | 59 | 3 | 56.00 | 0.586 | 0.571 | 30000 | 0.51 | 19.53 | 1.0769 | 0.1514 |
| 40-44 | 40 | 44 | 40 | 44 | 4.92 | 7.65 | 4.32 | 0.85 | 3.42 | 42.80 | 41.09 | 1309 | 13 | 1296 | 76 | 5 | 71.00 | 0.722 | 0.704 | 30000 | 0.51 | 19.53 | 0.7788 | 0.0987 |
| 10-12 Duplicate | 10 | 12 | 10 | 12 | 4.92 | 8.69 | 5.84 | 1.18 | 2.35 | 12.69 | 11.51 | 991 | 11 | 980 | 132 | 4 | 128.00 | 0.729 | 0.717 | 30000 | 0.51 | 19.53 | 1.8238 | 0.1658 |
| 18-20 Duplicate | 18 | 20 | 18 | 20 | 4.92 | 8.34 | 5.25 | 1.05 | 2.09 | 21.32 | 20.27 | 1010 | 11 | 999 | 115 | 12 | 103.00 | 0.479 | 0.470 | 30000 | 0.51 | 19.53 | 2.1954 | 0.2402 |
| 30-35 Duplicate | 30 | 35 | 30 | 35 | 4.92 | 7.73 | 4.54 | 0.90 | 4.51 | 35.11 | 32.86 | 1144 | 8 | 1136 | 52 | 5 | 47.00 | 0.611 | 0.601 | 30000 | 0.51 | 19.53 | 0.7668 | 0.1106 |

Core 8

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-3 | 2 | 3 | 2 | 3 | 0.26 | 0.32 | 0.11 | 0.35 | 1.15 | 1.15 | 1.15 | 2481 | 22 | 2459 | 3088 | 27 | 3031.41 | 1.258 | 1.172 | 60000 | 0.51 | 20.35 | 10.6143 | 0.1960 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 6.04 | 1.76 | 0.33 | 0.33 | 1.48 | 1.32 | 2215 | 22 | 2193 | 2427 | 27 | 2376.00 | 1.099 | 1.011 | 60000 | 0.51 | 19.95 | 10.8568 | 0.2262 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 6.09 | 1.84 | 0.34 | 0.34 | 1.83 | 1.65 | 2453 | 7 | 2446 | 2628 | 8 | 2748.77 | 1.097 | 1.013 | 60000 | 0.51 | 19.95 | 11.3958 | 0.2176 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 6.18 | 2.04 | 0.39 | 0.39 | 2.21 | 2.02 | 2174 | 25 | 2149 | 2791 | 9 | 2744.17 | 1.221 | 1.139 | 60000 | 0.51 | 19.95 | 11.3556 | 0.2185 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 6.20 | 2.03 | 0.38 | 0.38 | 2.60 | 2.40 | 1693 | 23 | 1670 | 1943 | 8 | 1913.88 | 1.178 | 1.096 | 60000 | 0.51 | 19.95 | 10.5846 | 0.2443 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 6.23 | 2.06 | 0.39 | 0.39 | 2.99 | 2.79 | 1625 | 19 | 1606 | 1721 | 7 | 1693.50 | 1.090 | 1.017 | 60000 | 0.51 | 19.95 | 10.5700 | 0.2577 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 6.30 | 2.20 | 0.42 | 0.42 | 3.41 | 3.20 | 1620 | 16 | 1604 | 1787 | 5 | 1760.52 | 1.235 | 1.159 | 60000 | 0.51 | 19.95 | 9.5908 | 0.2307 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 6.27 | 2.10 | 0.40 | 0.40 | 3.81 | 3.61 | 1882 | 21 | 1861 | 1914 | 7 | 1883.24 | 1.147 | 1.109 | 60000 | 0.51 | 19.95 | 9.2370 | 0.2150 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 6.34 | 2.24 | 0.43 | 0.86 | 4.66 | 4.23 | 2412 | 17 | 2395 | 2196 | 5 | 2162.43 | 1.134 | 1.068 | 60000 | 0.51 | 19.95 | 8.5813 | 0.1863 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 6.22 | 2.03 | 0.39 | 0.78 | 5.43 | 5.05 | 1676 | 22 | 1654 | 1449 | 21 | 1404.85 | 1.315 | 1.228 | 60000 | 0.51 | 19.95 | 7.0185 | 0.1811 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 6.35 | 2.26 | 0.43 | 0.86 | 6.29 | 5.86 | 1827 | 7 | 1820 | 1022 | 8 | 990.77 | 1.235 | 1.161 | 60000 | 0.51 | 19.95 | 4.7702 | 0.1538 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 6.34 | 2.26 | 0.43 | 0.86 | 7.15 | 6.72 | 2368 | 22 | 2343 | 915 | 9 | 876.72 | 1.177 | 1.103 | 60000 | 0.51 | 19.95 | 3.4329 | 0.1121 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 6.30 | 2.21 | 0.42 | 0.84 | 8.00 | 7.58 | 1441 | 23 | 1472 | 881 | 9 | 854.72 | 1.228 | 1.153 | 60000 | 0.51 | 19.95 | 2.7930 | 0.1356 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 6.39 | 1.97 | 0.40 | 2.01 | 10.01 | 9.11 | 1753 | 19 | 1734 | 680 | 8 | 656.88 | 1.214 | 1.148 | 60000 | 0.51 | 19.95 | 2.3295 | 0.1132 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 6.44 | 2.71 | 0.52 | 2.62 | 12.63 | 11.14 | 1888 | 16 | 1872 | 372 | 6 | 342.10 | 1.207 | 1.146 | 60000 | 0.51 | 19.95 | 1.6184 | 0.0918 |

Table 2: Continued.

Core 8

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet oc. (g/cm3) (33 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Mid-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Background Counts | Po-209 counts less detector background | Po-210 counts | Detector Po-210 Background Counts | Po-210 counts less detector background | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ml) | Po-210 Total Activity (DPM/g) (salt corrected) | Error Po 210 +/-1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 6.47 | 2.44 | 0.47 | 2.34 | 15.23 | 14.06 | 1632 | 21 | 1611 | 262 | 7 | 234.43 | 1.270 | 1.200 | 60000 | 0.51 | 19.95 | 1.2276 | 0.0659 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 6.44 | 2.41 | 0.46 | 2.31 | 17.54 | 16.38 | 2189 | 17 | 2172 | 341 | 5 | 306.27 | 1.222 | 1.154 | 60000 | 0.51 | 19.95 | 1.2451 | 0.0761 |
| 40-44 | 40 | 45 | 40 | 45 | 4.92 | 6.44 | 2.39 | 0.46 | 2.29 | 19.83 | 18.68 | 1949 | 7 | 1942 | 264 | 8 | 251.23 | 1.258 | 1.188 | 60000 | 0.51 | 19.95 | 1.1026 | 0.0750 |
| 45-50 | 45 | 50 | 45 | 50 | 4.92 | 6.46 | 2.44 | 0.47 | 2.35 | 22.18 | 21.00 | 2257 | 25 | 2232 | 307 | 9 | 269.51 | 1.221 | 1.155 | 60000 | 0.51 | 19.95 | 1.0589 | 0.0698 |
| 7-8 Duplicate | 7 | 8 | 7 | 8 | 4.92 | 6.23 | 2.06 | 0.39 | 0.39 | 2.99 | 2.79 | 2329 | 16 | 2313 | 2088 | 6 | 2052.47 | 0.930 | 0.868 | 60000 | 0.51 | 19.95 | 10.3541 | 0.2308 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.92 | 6.35 | 2.26 | 0.43 | 0.86 | 6.29 | 5.66 | 2408 | 22 | 2386 | 1573 | 23 | 1517.79 | 1.395 | 1.312 | 60000 | 0.50 | 19.92 | 4.8170 | 0.1266 |

Core 9

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-3 | 2 | 3 | 0 | 1.0 | 4.92 | 6.09 | 1.87 | 0.35 | 1.05 | 1.05 | 0.68 | 2353 | 17 | 2336 | 4030 | 5 | 3995.08 | 1.203 | 1.113 | 60000 | 0.51 | 19.95 | 15.4800 | 0.2461 |
| 3-4 | 3 | 4 | 3 | 3.0 | 4.92 | 6.09 | 1.89 | 0.36 | 0.36 | 1.41 | 1.23 | 2682 | 26 | 2663 | 4226 | 23 | 4166.90 | 1.183 | 1.098 | 60000 | 0.51 | 19.95 | 14.3642 | 0.2246 |
| 4-5 | 4 | 5 | 4 | 5.0 | 4.92 | 6.20 | 2.01 | 0.38 | 0.38 | 1.79 | 1.60 | 2510 | 7 | 2503 | 4001 | 8 | 3960.94 | 1.233 | 1.148 | 60000 | 0.51 | 19.95 | 13.6902 | 0.2220 |
| 5-6 | 5 | 6 | 5 | 6.0 | 4.92 | 6.15 | 1.96 | 0.37 | 0.37 | 2.16 | 1.97 | 2551 | 25 | 2526 | 3913 | 9 | 3871.65 | 1.226 | 1.142 | 60000 | 0.51 | 19.95 | 13.5288 | 0.2188 |
| 6-7 | 6 | 7 | 6 | 7.0 | 4.92 | 6.15 | 1.93 | 0.36 | 0.36 | 2.52 | 2.34 | 1957 | 23 | 1934 | 2806 | 8 | 2773.23 | 1.219 | 1.131 | 60000 | 0.51 | 19.95 | 12.7733 | 0.2443 |
| 7-8 | 7 | 8 | 7 | 8.0 | 4.92 | 6.09 | 2.03 | 0.38 | 0.38 | 2.91 | 2.71 | 2262 | 19 | 2243 | 3014 | 7 | 2978.27 | 1.208 | 1.126 | 60000 | 0.51 | 19.95 | 11.8601 | 0.2189 |
| 8-9 | 8 | 9 | 8 | 9.0 | 4.92 | 6.23 | 2.08 | 0.40 | 0.40 | 3.30 | 3.10 | 1952 | 16 | 1936 | 2560 | 6 | 2554.21 | 1.273 | 1.189 | 60000 | 0.51 | 19.95 | 11.1600 | 0.2208 |
| 9-10 | 9 | 10 | 9 | 10.0 | 4.92 | 6.29 | 2.19 | 0.42 | 0.42 | 3.72 | 3.51 | 2361 | 21 | 2340 | 3110 | 7 | 3073.03 | 1.283 | 1.204 | 60000 | 0.51 | 19.95 | 10.9946 | 0.1997 |
| 10-12 | 10 | 12 | 10 | 12.0 | 4.92 | 6.36 | 2.34 | 0.45 | 0.89 | 4.61 | 4.17 | 1598 | 17 | 1581 | 1733 | 5 | 1711.74 | 1.221 | 1.152 | 60000 | 0.51 | 19.95 | 9.4674 | 0.2308 |
| 12-14 | 12 | 14 | 12 | 14.0 | 4.92 | 6.18 | 1.98 | 0.37 | 0.75 | 5.36 | 4.99 | 1552 | 22 | 1530 | 1580 | 23 | 1537.41 | 1.284 | 1.194 | 60000 | 0.51 | 19.94 | 8.4800 | 0.2295 |
| 14-16 | 14 | 16 | 14 | 16.0 | 4.92 | 6.22 | 2.03 | 0.38 | 0.77 | 6.13 | 5.74 | 664 | 7 | 657 | 424 | 6 | 410.13 | 1.283 | 1.195 | 60000 | 0.51 | 19.94 | 7.5700 | 0.1834 |
| 16-18 | 16 | 18 | 16 | 18.0 | 4.92 | 6.34 | 2.27 | 0.43 | 0.81 | 6.94 | 6.56 | 2369 | 25 | 2361 | 1902 | 9 | 1862.76 | 1.207 | 1.136 | 60000 | 0.51 | 19.94 | 7.0007 | 0.1643 |
| 18-20 | 18 | 20 | 18 | 20.0 | 4.92 | 6.22 | 2.10 | 0.40 | 0.80 | 7.74 | 7.34 | 1813 | 23 | 1790 | 1203 | 8 | 1172.08 | 1.231 | 1.151 | 60000 | 0.51 | 19.94 | 5.7304 | 0.1701 |
| 20-25 | 20 | 25 | 20 | 25.0 | 4.92 | 6.22 | 2.04 | 0.39 | 1.93 | 9.79 | 8.76 | 1217 | 19 | 1198 | 677 | 7 | 654.66 | 1.205 | 1.125 | 60000 | 0.51 | 19.94 | 4.8962 | 0.1956 |
| 25-30 | 25 | 30 | 25 | 30.0 | 4.92 | 6.21 | 2.04 | 0.39 | 1.93 | 11.66 | 10.69 | 589 | 16 | 573 | 234 | 6 | 220.86 | 1.281 | 1.196 | 60000 | 0.51 | 19.94 | 3.2431 | 0.2277 |
| 30-35 | 30 | 35 | 30 | 35.0 | 4.92 | 6.24 | 2.10 | 0.40 | 2.00 | 13.66 | 12.66 | 1420 | 21 | 1399 | 444 | 7 | 419.08 | 1.229 | 1.148 | 60000 | 0.51 | 19.94 | 2.6264 | 0.1331 |
| 35-40 | 35 | 40 | 35 | 40.0 | 4.92 | 6.22 | 2.05 | 0.39 | 1.94 | 15.59 | 14.62 | 1464 | 17 | 1447 | 415 | 5 | 391.47 | 1.245 | 1.161 | 60000 | 0.51 | 19.94 | 2.3477 | 0.1229 |
| 40-44 | 40 | 44 | 40 | 44.0 | 4.92 | 6.31 | 2.19 | 0.42 | 2.08 | 17.67 | 16.63 | 951 | 22 | 929 | 295 | 23 | 230.10 | 1.223 | 1.147 | 60000 | 0.51 | 19.94 | 2.1761 | 0.1605 |
| 45-50 | 45 | 50 | 45 | 50.0 | 4.92 | 6.31 | 2.28 | 0.44 | 2.18 | 19.86 | 18.77 | 2059 | 7 | 2052 | 449 | 8 | 414.34 | 1.339 | 1.257 | 60000 | 0.51 | 20.05 | 1.6030 | 0.0627 |
| 8-9 Duplicate | 8 | 9 | 8 | 9.0 | 4.92 | 6.23 | 2.08 | 0.40 | 0.40 | 3.30 | 3.10 | 2039 | 23 | 2012 | 2920 | 8 | 2895.23 | 1.325 | 1.238 | 60000 | 0.51 | 19.94 | 11.7150 | 0.2192 |
| 14-16 Duplicate | 14 | 16 | 14 | 16.0 | 4.92 | 6.22 | 2.03 | 0.38 | 0.77 | 6.13 | 5.74 | 633 | 19 | 614 | 517 | 7 | 502.14 | 1.239 | 1.154 | 60000 | 0.51 | 19.94 | 7.1363 | 0.3254 |

Core 10

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.92 | 5.85 | 1.17 | 0.21 | 0.42 | 0.42 | 0.31 | 2113 | 35 | 2088 | 2784 | 9 | 2747.65 | 1.164 | 1.017 | 60000 | 0.5085 | 19.94 | 13.1160 | 0.2523 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 5.72 | 1.28 | 0.23 | 0.23 | 0.65 | 0.53 | 2385 | 23 | 2362 | 3242 | 5 | 3203.33 | 1.177 | 1.043 | 60000 | 0.5085 | 19.94 | 13.1815 | 0.2346 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 5.80 | 1.43 | 0.26 | 0.26 | 0.91 | 0.78 | 1659 | 19 | 1640 | 2305 | 7 | 2276.70 | 1.226 | 1.102 | 60000 | 0.5085 | 19.94 | 12.7746 | 0.2696 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 5.74 | 1.36 | 0.25 | 0.25 | 1.16 | 1.03 | 2022 | 16 | 2009 | 2905 | 6 | 2872.91 | 1.254 | 1.121 | 60000 | 0.5085 | 19.94 | 12.9325 | 0.2429 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 5.81 | 1.40 | 0.26 | 0.26 | 1.41 | 1.28 | 1962 | 21 | 1941 | 2789 | 7 | 2756.80 | 1.279 | 1.146 | 60000 | 0.5085 | 19.94 | 12.5624 | 0.2410 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 5.79 | 1.47 | 0.27 | 0.27 | 1.68 | 1.55 | 1906 | 17 | 1889 | 2317 | 5 | 2287.47 | 1.274 | 1.151 | 60000 | 0.5085 | 19.94 | 10.6719 | 0.2248 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 5.83 | 1.44 | 0.26 | 0.26 | 1.94 | 1.81 | 1278 | 22 | 1256 | 1490 | 23 | 1450.69 | 1.247 | 1.121 | 60000 | 0.5085 | 19.94 | 10.4435 | 0.2800 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 5.87 | 1.51 | 0.28 | 0.28 | 2.22 | 2.08 | 2329 | 7 | 2322 | 2360 | 8 | 2321.85 | 1.226 | 1.109 | 60000 | 0.5085 | 19.94 | 9.1436 | 0.1916 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 5.86 | 1.52 | 0.28 | 0.28 | 2.50 | 2.36 | 2446 | 25 | 2421 | 2253 | 9 | 2212.56 | 1.350 | 1.223 | 60000 | 0.5085 | 19.94 | 7.5788 | 0.1629 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 5.90 | 1.55 | 0.28 | 0.57 | 3.07 | 2.79 | 1919 | 23 | 1896 | 1349 | 8 | 1315.38 | 1.211 | 1.098 | 60000 | 0.5085 | 19.94 | 6.4068 | 0.1793 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 5.92 | 1.62 | 0.30 | 0.60 | 3.67 | 3.37 | 1954 | 19 | 1935 | 988 | 7 | 955.87 | 1.200 | 1.095 | 60000 | 0.5085 | 19.94 | 4.5762 | 0.1510 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 5.88 | 1.58 | 0.29 | 0.59 | 4.25 | 3.96 | 1352 | 7 | 1345 | 512 | 8 | 485.84 | 1.264 | 1.151 | 60000 | 0.4985 | 19.92 | 3.1200 | 0.1463 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 5.88 | 1.59 | 0.29 | 0.59 | 4.84 | 4.55 | 1818 | 21 | 1797 | 468 | 7 | 437.67 | 1.176 | 1.071 | 60000 | 0.5085 | 19.94 | 2.3048 | 0.1148 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 5.89 | 1.60 | 0.30 | 0.59 | 5.43 | 5.14 | 2103 | 17 | 2086 | 441 | 5 | 408.91 | 1.251 | 1.149 | 60000 | 0.5085 | 19.94 | 1.7300 | 0.0893 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 5.95 | 1.78 | 0.33 | 1.66 | 7.10 | 6.26 | 1938 | 22 | 1916 | 370 | 23 | 322.12 | 1.281 | 1.182 | 60000 | 0.5085 | 19.94 | 1.4426 | 0.0866 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 5.94 | 1.65 | 0.31 | 1.53 | 8.62 | 7.86 | 1570 | 7 | 1563 | 194 | 8 | 165.70 | 1.207 | 1.103 | 60000 | 0.5085 | 19.94 | 0.9700 | 0.0836 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 5.92 | 1.70 | 0.32 | 1.58 | 10.21 | 9.41 | 1893 | 25 | 1868 | 193 | 9 | 159.74 | 1.216 | 1.116 | 60000 | 0.5085 | 19.94 | 0.7768 | 0.0691 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 6.11 | 1.98 | 0.38 | 1.88 | 12.08 | 11.14 | 2225 | 23 | 2202 | 258 | 8 | 221.41 | 1.267 | 1.160 | 60000 | 0.5085 | 19.94 | 0.8640 | 0.0636 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 6.04 | 1.96 | 0.35 | 1.74 | 13.83 | 12.95 | 2282 | 19 | 2263 | 261 | 7 | 224.61 | 1.226 | 1.137 | 60000 | 0.5085 | 19.94 | 0.8654 | 0.0645 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.92 | 5.88 | 1.58 | 0.29 | 0.59 | 4.25 | 3.96 | 1892 | 17 | 1875 | 677 | 5 | 646.53 | 1.236 | 1.125 | 60000 | 0.5082 | 19.94 | 3.1052 | 0.1254 |
| 25-30 Duplicate | 25 | 30 | 25 | 30 | 4.92 | 5.94 | 1.65 | 0.31 | 1.53 | 8.62 | 7.86 | 1893 | 22 | 1871 | 284 | 23 | 237.39 | 1.214 | 1.110 | 60000 | 0.5082 | 19.94 | 1.1587 | 0.0855 |

Core 11

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.92 | 5.86 | 1.20 | 0.21 | 0.43 | 0.43 | 0.32 | 2482 | 7 | 2465 | 3467 | 8 | 3417.64 | 1.188 | 1.042 | 60000 | 0.5082 | 19.94 | 13.3686 | 0.2103 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 5.73 | 1.32 | 0.24 | 0.24 | 0.67 | 0.55 | 1908 | 25 | 1881 | 2942 | 9 | 2909.26 | 1.296 | 1.126 | 60000 | 0.5082 | 19.94 | 13.9148 | 0.2598 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 5.78 | 1.39 | 0.25 | 0.25 | 0.92 | 0.79 | 2151 | 23 | 2128 | 3595 | 8 | 3560.15 | 1.319 | 1.181 | 60000 | 0.5082 | 19.94 | 14.3490 | 0.2419 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 5.83 | 1.48 | 0.27 | 0.27 | 1.19 | 1.05 | 2417 | 19 | 2398 | 4120 | 7 | 4082.74 | 1.348 | 1.217 | 60000 | 0.5082 | 19.94 | 14.1704 | 0.2230 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 5.83 | 1.47 | 0.27 | 0.27 | 1.46 | 1.33 | 2237 | 16 | 2221 | 3684 | 6 | 3649.97 | 1.405 | 1.267 | 60000 | 0.5082 | 19.94 | 13.6595 | 0.2245 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 5.83 | 1.46 | 0.27 | 0.27 | 1.73 | 1.59 | 834 | 21 | 813 | 1380 | 7 | 1362.74 | 1.332 | 1.200 | 60000 | 0.5082 | 19.94 | 14.1520 | 0.3868 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 5.94 | 1.49 | 0.27 | 0.27 | 2.00 | 1.86 | 1686 | 17 | 1669 | 2879 | 5 | 2852.94 | 1.424 | 1.267 | 60000 | 0.5082 | 19.94 | 13.4601 | 0.2534 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 5.90 | 1.59 | 0.29 | 0.29 | 2.29 | 2.15 | 2120 | 22 | 2098 | 3762 | 23 | 3712.53 | 1.495 | 1.361 | 60000 | 0.5082 | 19.94 | 13.1730 | 0.2183 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 5.91 | 1.58 | 0.29 | 0.29 | 2.59 | 2.44 | 2424 | 7 | 2417 | 3370 | 8 | 3331.50 | 1.269 | 1.155 | 60000 | 0.5082 | 19.94 | 12.0957 | 0.2110 |

Table 2: Continued.

Core 11

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry WU/ Wet wt. (g/cm3) (60 pct corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Plot-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Back-Ground Counts | Po-209 counts less detector back-ground | Po-210 counts | Detector Po-210 Back-Ground Counts | Po-210 counts less detector back-ground | Weight of Sample Counted (g) | Weight of Sample Counted-Soil (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Spike Activity (DPM's) | Po-210 Total Activity (DPM's) (soil corrected) | Error Po-210 +/-1 S.D. (DPM's) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 5.92 | 1.68 | 0.31 | 0.63 | 3.21 | 2.90 | 2451 | 25 | 2426 | 2715 | 9 | 2675.39 | 1.246 | 1.137 | 60000 | 0.5082 | 19.94 | 9.8282 | 9.8282 | 0.1917 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 5.92 | 2.08 | 0.40 | 0.79 | 4.00 | 3.61 | 2586 | 23 | 2563 | 2942 | 8 | 2901.66 | 1.365 | 1.282 | 60000 | 0.5082 | 19.94 | 8.9510 | 8.9510 | 0.1675 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 5.92 | 1.59 | 0.29 | 0.59 | 4.59 | 4.30 | 1696 | 18 | 1677 | 1850 | 7 | 1821.84 | 1.262 | 1.148 | 60000 | 0.5082 | 19.94 | 8.5300 | 8.5300 | 0.2141 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 6.00 | 1.75 | 0.33 | 0.65 | 5.24 | 4.92 | 2570 | 16 | 2554 | 2295 | 5 | 2227.77 | 1.218 | 1.175 | 60000 | 0.5082 | 19.94 | 7.5191 | 7.5191 | 0.1809 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 5.95 | 1.65 | 0.31 | 0.61 | 5.86 | 5.55 | 1625 | 21 | 1604 | 1110 | 7 | 1142.16 | 1.300 | 1.188 | 60000 | 0.5082 | 19.94 | 8.0742 | 8.0742 | 0.1824 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 5.90 | 1.57 | 0.29 | 1.46 | 7.31 | 6.58 | 2321 | 17 | 2304 | 1299 | 5 | 1264.93 | 1.268 | 1.152 | 60000 | 0.5082 | 19.94 | 8.8268 | 8.8268 | 0.1378 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 5.96 | 1.68 | 0.31 | 1.56 | 8.87 | 8.09 | 1588 | 22 | 1566 | 729 | 23 | 686.24 | 1.326 | 1.215 | 60000 | 0.5082 | 19.94 | 3.6620 | 3.6620 | 0.1461 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 5.96 | 1.60 | 0.31 | 1.54 | 10.41 | 9.64 | 2016 | - | 2009 | 661 | 8 | 633.65 | 1.274 | 1.160 | 60000 | 0.5082 | 19.94 | 2.7424 | 2.7424 | 0.1124 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 5.96 | 1.69 | 0.31 | 1.57 | 11.98 | 11.20 | 2232 | 25 | 2207 | 539 | 9 | 502.15 | 1.242 | 1.139 | 60000 | 0.5082 | 19.94 | 2.2260 | 2.2260 | 0.0944 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 6.03 | 1.74 | 0.32 | 1.62 | 13.61 | 12.79 | 1821 | 23 | 1798 | 351 | 8 | 320.31 | 1.215 | 1.116 | 60000 | 0.5082 | 19.94 | 1.6172 | 1.6172 | 0.0951 |
| 45-50 | 45 | 50 | 45 | 50 | 4.92 | 5.98 | 1.75 | 0.33 | 1.64 | 15.24 | 14.43 | 2397 | 19 | 2378 | 450 | 7 | 412.99 | 1.291 | 1.191 | 60000 | 0.5082 | 19.94 | 2.1210 | 2.1210 | 0.0797 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.92 | 5.92 | 1.59 | 0.29 | 0.59 | 4.59 | 4.30 | 969 | 25 | 944 | 421 | 9 | 389.28 | 1.202 | 1.113 | 60000 | 0.5082 | 19.94 | 8.0491 | 8.0491 | 0.2845 |
| 25-30 Duplicate | 25 | 30 | 25 | 30 | 4.92 | 5.96 | 1.68 | 0.31 | 1.56 | 8.87 | 8.09 | 2677 | 17 | 2660 | 1037 | 5 | 994.50 | 1.296 | 1.189 | 60000 | 0.5082 | 19.94 | 3.2049 | 3.2049 | 0.1036 |

Core 12

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 5.75 | 1.98 | 0.25 | 0.49 | 0.49 | 0.37 | 1587 | 17 | 1570 | 2146 | 5 | 2121.06 | 1.103 | 0.995 | 60000 | 0.5113 | 19.94 | 13.8817 | 13.8817 | 0.3036 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 5.81 | 1.46 | 0.27 | 0.27 | 0.76 | 0.63 | 2439 | 22 | 2417 | 3109 | 23 | 3055.11 | 1.082 | 0.973 | 60000 | 0.5113 | 19.94 | 13.2127 | 13.2127 | 0.2420 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 5.91 | 1.56 | 0.29 | 0.29 | 1.05 | 0.90 | 1507 | - | 1500 | 2132 | 8 | 2104.83 | 1.141 | 1.036 | 60000 | 0.5113 | 19.94 | 13.4059 | 13.4059 | 0.3034 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 5.89 | 1.57 | 0.29 | 0.29 | 1.33 | 1.19 | 2327 | 25 | 2302 | 3425 | 9 | 3386.58 | 1.176 | 1.071 | 60000 | 0.5113 | 19.94 | 14.0076 | 14.0076 | 0.2424 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 5.88 | 1.53 | 0.28 | 0.28 | 1.62 | 1.48 | 2078 | 23 | 2055 | 2511 | 6 | 2478.14 | 1.120 | 1.015 | 60000 | 0.5113 | 19.94 | 12.1040 | 12.1040 | 0.2453 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 5.91 | 1.60 | 0.30 | 0.30 | 1.91 | 1.76 | 2069 | 19 | 2050 | 2414 | 7 | 2380.80 | 1.202 | 1.095 | 60000 | 0.5113 | 19.94 | 10.8115 | 10.8115 | 0.2234 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 5.97 | 1.68 | 0.31 | 0.31 | 2.22 | 2.07 | 1519 | 18 | 1501 | 1139 | 6 | 1093.03 | 1.153 | 1.056 | 60000 | 0.5113 | 19.94 | 10.1645 | 10.1645 | 0.2558 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 6.03 | 1.75 | 0.33 | 0.33 | 2.55 | 2.38 | 1740 | 21 | 1719 | 1641 | 7 | 1612.03 | 1.117 | 1.027 | 60000 | 0.5113 | 19.94 | 9.3084 | 9.3084 | 0.2344 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 5.97 | 1.68 | 0.31 | 0.31 | 2.86 | 2.71 | 1330 | 25 | 1305 | 1217 | 9 | 1181.32 | 1.140 | 1.041 | 60000 | 0.5113 | 19.94 | 8.6106 | 8.6106 | 0.2511 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 5.99 | 1.73 | 0.32 | 0.64 | 3.51 | 3.19 | 1871 | 23 | 1848 | 1855 | 8 | 1822.11 | 1.197 | 1.070 | 60000 | 0.5113 | 19.94 | 7.7190 | 7.7190 | 0.1941 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 6.01 | 1.73 | 0.32 | 0.64 | 4.15 | 3.83 | 2340 | 19 | 2321 | 1936 | 7 | 1819.34 | 1.165 | 1.070 | 60000 | 0.5113 | 19.94 | 6.6471 | 6.6471 | 0.1614 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 6.06 | 1.83 | 0.34 | 0.69 | 4.84 | 4.50 | 1386 | 16 | 1370 | 700 | 6 | 676.48 | 1.006 | 0.933 | 60000 | 0.5113 | 19.94 | 5.4041 | 5.4041 | 0.2123 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 5.94 | 1.68 | 0.31 | 0.63 | 5.47 | 5.16 | 2326 | 21 | 2307 | 1397 | 7 | 1330.52 | 1.239 | 1.135 | 60000 | 0.5113 | 19.94 | 5.1613 | 5.1613 | 0.1443 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 6.10 | 1.84 | 0.35 | 0.69 | 6.16 | 5.81 | 1718 | 17 | 1701 | 1074 | 5 | 1047.01 | 1.191 | 1.100 | 60000 | 0.5113 | 19.94 | 5.8367 | 5.8367 | 0.1768 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 6.01 | 1.77 | 0.33 | 1.65 | 7.81 | 6.99 | 2539 | 22 | 2517 | 1489 | 23 | 1433.83 | 1.218 | 1.122 | 60000 | 0.5113 | 19.93 | 5.1768 | 5.1768 | 0.1404 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 6.01 | 1.76 | 0.33 | 1.65 | 9.46 | 8.64 | 1943 | 7 | 1936 | 733 | 5 | 700.26 | 1.250 | 1.151 | 60000 | 0.5113 | 19.93 | 3.2037 | 3.2037 | 0.1245 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 6.07 | 1.78 | 0.33 | 1.66 | 11.12 | 10.29 | 2506 | 25 | 2483 | 662 | 9 | 621.27 | 1.205 | 1.113 | 60000 | 0.5113 | 19.93 | 2.2922 | 2.2922 | 0.0956 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 6.10 | 1.88 | 0.35 | 1.77 | 12.89 | 12.01 | 2332 | 23 | 2309 | 586 | 8 | 558.49 | 1.238 | 1.148 | 60000 | 0.5113 | 19.93 | 2.1508 | 2.1508 | 0.0946 |
| 40-45 | 40 | 45 | 40 | 45 | 4.92 | 6.07 | 1.83 | 0.34 | 1.72 | 14.61 | 13.75 | 2254 | 19 | 2235 | 506 | 7 | 470.44 | 1.219 | 1.126 | 60000 | 0.5113 | 19.93 | 1.9055 | 1.9055 | 0.0917 |
| 45-50 | 45 | 50 | 45 | 50 | 4.92 | 6.31 | 2.29 | 0.44 | 2.19 | 16.80 | 15.70 | 2406 | 16 | 2390 | 1018 | 6 | 981.46 | 1.266 | 1.211 | 60000 | 0.5113 | 19.93 | 3.4549 | 3.4549 | 0.1126 |
| 8-9 Duplicate | 8 | 9 | 8 | 9 | 4.92 | 6.03 | 1.75 | 0.33 | 0.33 | 2.55 | 2.39 | 1575 | 23 | 1552 | 1848 | 6 | 1817.05 | 1.334 | 1.226 | 60000 | 0.4985 | 19.92 | 9.6870 | 9.6870 | 0.2247 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.92 | 6.06 | 1.83 | 0.34 | 0.69 | 4.84 | 4.50 | 2294 | 7 | 2287 | 970 | 8 | 932.71 | 0.801 | 0.740 | 60000 | 0.5113 | 19.93 | 5.5166 | 5.5166 | 0.1883 |
| 45-50 Duplicate | 45 | 50 | 45 | 50 | 4.92 | 6.31 | 2.29 | 0.44 | 2.19 | 16.80 | 15.70 | 2568 | 19 | 2549 | 679 | 7 | 636.58 | 0.967 | 0.911 | 60000 | 0.4985 | 19.92 | 3.3765 | 3.3765 | 0.1272 |

Core 13

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 1 | 2 | 4.92 | 5.80 | 1.44 | 0.26 | 0.53 | 0.53 | 0.39 | 2225.0 | 25.00 | 2200 | 3433 | 9 | 3395.82 | 1.198 | 1.079 | 60000 | 0.5046 | 19.93 | 14.3919 | 14.3919 | 0.2486 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 5.94 | 1.64 | 0.30 | 0.30 | 0.83 | 0.66 | 2270.0 | 23.00 | 2247 | 3606 | 9 | 3569.22 | 1.206 | 1.101 | 60000 | 0.5046 | 19.93 | 15.3232 | 15.3232 | 0.2511 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 6.00 | 1.74 | 0.33 | 0.33 | 1.15 | 0.99 | 2361.0 | 19.00 | 2342 | 3833 | 7 | 3795.01 | 1.185 | 1.090 | 60000 | 0.5046 | 19.93 | 14.9645 | 14.9645 | 0.2443 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 5.97 | 1.70 | 0.32 | 0.32 | 1.47 | 1.31 | 1141.0 | 16.00 | 1125 | 1735 | 9 | 1714.58 | 1.217 | 1.116 | 60000 | 0.5046 | 19.93 | 13.7356 | 13.7356 | 0.3343 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 5.93 | 1.60 | 0.30 | 0.30 | 1.77 | 1.62 | 2085.0 | 21.00 | 2064 | 3136 | 7 | 3104.52 | 1.217 | 1.163 | 60000 | 0.5046 | 19.93 | 12.9857 | 12.9857 | 0.2346 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 6.01 | 1.73 | 0.32 | 0.32 | 2.09 | 1.93 | 2229 | 17 | 2212 | 3214 | 5 | 3180.67 | 1.227 | 1.127 | 60000 | 0.5046 | 19.93 | 12.8343 | 12.8343 | 0.2269 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 6.16 | 1.95 | 0.37 | 0.37 | 2.46 | 2.27 | 2008 | 22 | 1986 | 2849 | 23 | 2800.57 | 1.256 | 1.167 | 60000 | 0.5046 | 19.93 | 12.1571 | 12.1571 | 0.2326 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 6.15 | 1.98 | 0.37 | 0.37 | 2.83 | 2.64 | 2166 | 7 | 2159 | 2599 | 5 | 2563.35 | 1.249 | 1.162 | 60000 | 0.5046 | 19.93 | 10.2753 | 10.2753 | 0.2047 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 6.15 | 1.96 | 0.37 | 0.37 | 3.20 | 3.02 | 1931 | 25 | 1906 | 1965 | 9 | 1931.59 | 1.212 | 1.126 | 60000 | 0.5046 | 19.93 | 9.0517 | 9.0517 | 0.2082 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 6.21 | 1.99 | 0.38 | 0.75 | 3.95 | 3.58 | 2874 | 23 | 2851 | 2489 | 8 | 2444.49 | 1.270 | 1.116 | 60000 | 0.5046 | 19.93 | 7.7266 | 7.7266 | 0.1580 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 6.20 | 2.05 | 0.39 | 0.78 | 4.73 | 4.34 | 2446 | 19 | 2427 | 1707 | 7 | 1668.02 | 1.184 | 1.105 | 60000 | 0.5046 | 19.93 | 5.2807 | 5.2807 | 0.1553 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 6.37 | 2.34 | 0.45 | 0.89 | 5.62 | 5.18 | 1596 | 18 | 1580 | 1034 | 6 | 1007.77 | 1.201 | 1.133 | 60000 | 0.5046 | 19.93 | 5.6645 | 5.6645 | 0.1813 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 6.26 | 2.13 | 0.40 | 0.81 | 6.43 | 6.03 | 2334 | 21 | 2313 | 1402 | 7 | 1365.38 | 1.218 | 1.140 | 60000 | 0.5046 | 19.93 | 5.2039 | 5.2039 | 0.1432 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 6.41 | 2.40 | 0.46 | 0.92 | 7.35 | 6.89 | 1925 | 17 | 1908 | 853 | 5 | 831.25 | 1.230 | 1.162 | 60000 | 0.5046 | 19.93 | 5.4997 | 5.4997 | 0.1936 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 6.32 | 2.19 | 0.42 | 2.09 | 9.44 | 8.40 | 2454 | 22 | 2432 | 1396 | 23 | 1264.42 | 1.199 | 1.126 | 60000 | 0.5046 | 19.93 | 5.1468 | 5.1468 | 0.1477 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 6.30 | 2.20 | 0.42 | 2.11 | 11.55 | 10.50 | 2137 | - | 2130 | 1428 | 6 | 1392.72 | 1.293 | 1.214 | 60000 | 0.5046 | 19.93 | 5.4168 | 5.4168 | 0.2123 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 6.40 | 2.36 | 0.45 | 2.26 | 13.81 | 12.68 | 2171 | 25 | 2146 | 2519 | 9 | 2482.53 | 1.216 | 1.147 | 60000 | 0.5046 | 19.93 | 10.1414 | 10.1414 | 0.2054 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.92 | 6.37 | 2.34 | 0.45 | 0.89 | 5.62 | 5.18 | 1841 | 18 | 1823 | 1211 | 7 | 1240.67 | 1.234 | 1.164 | 60000 | 0.5046 | 19.93 | 5.8815 | 5.8815 | 0.1698 |
| 25-30 Duplicate | 25 | 30 | 25 | 30 | 4.92 | 6.30 | 2.20 | 0.42 | 2.11 | 11.55 | 10.50 | 2533 | 16 | 2517 | 1722 | 6 | 1683.17 | 1.317 | 1.237 | 60000 | 0.5046 | 19.93 | 5.4439 | 5.4439 | 0.1343 |
| 30-35 Duplicate | 30 | 35 | 30 | 35 | 4.92 | 6.40 | 2.36 | 0.48 | 2.26 | 13.81 | 12.68 | 2327 | 16 | 2311 | 2485 | 6 | 2447.80 | 1.097 | 1.035 | 60000 | 0.4985 | 19.92 | 10.1640 | 10.1640 | 0.2072 |

Table 2: Continued.

Core 14

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet wt. (g/cm3) (33 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Pick-pool of cumulative mass in current section (g/cm2) | Pb-209 counts | Detector Pb-209 Back-Ground Counts | Pb-209 counts less detector back-ground | Pb-210 counts | Detector Pb-210 Back-Ground Counts | Pb-210 counts less detector back-ground | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (dpm) | Spike Activity (DPM/ml) | Pb-210 Total Activity (DPM/g) (salt corrected) | Error Pb-210 +/- 1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 6.34 | 2.21 | 0.42 | 0.42 | 1.64 | 1.43 | 2016 | 7 | 2009 | 2328 | 8 | 2292.54 | 1.210 | 1.135 | 60000 | 0.5012 | 19.93 | 15.0414 | 0.2117 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 6.41 | 2.33 | 0.45 | 0.45 | 2.08 | 1.86 | 1333 | 25 | 1308 | 1512 | 9 | 1485.12 | 1.211 | 1.141 | 60000 | 0.5012 | 19.93 | 9.9410 | 0.2611 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 6.48 | 2.42 | 0.46 | 0.46 | 2.55 | 2.31 | 1837 | 23 | 1814 | 2296 | 8 | 2263.20 | 1.240 | 1.171 | 60000 | 0.5012 | 19.93 | 10.6400 | 0.2257 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 6.45 | 2.45 | 0.47 | 0.47 | 3.02 | 2.78 | 2348 | 19 | 2329 | 2768 | 7 | 2729.16 | 1.230 | 1.164 | 60000 | 0.5012 | 19.93 | 10.2615 | 0.1942 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 6.55 | 2.51 | 0.50 | 0.50 | 3.52 | 3.27 | 2650 | 16 | 2634 | 2096 | 6 | 2062.20 | 1.217 | 1.158 | 60000 | 0.5012 | 19.93 | 8.7610 | 0.1548 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 6.54 | 2.57 | 0.49 | 0.49 | 4.01 | 3.77 | 1324 | 21 | 1303 | 1304 | 7 | 1278.19 | 1.213 | 1.208 | 60000 | 0.5012 | 19.93 | 8.1198 | 0.2298 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 6.52 | 2.53 | 0.49 | 0.49 | 4.50 | 4.26 | 2123 | 17 | 2106 | 2117 | 5 | 2083.21 | 1.234 | 1.170 | 60000 | 0.5012 | 19.93 | 8.4485 | 0.1868 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 6.97 | 3.30 | 0.64 | 1.29 | 5.79 | 5.14 | 1940 | 22 | 1918 | 1954 | 23 | 1904.18 | 1.242 | 1.196 | 60000 | 0.5012 | 19.93 | 8.2636 | 0.1936 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 6.55 | 2.60 | 0.50 | 1.00 | 6.79 | 6.20 | 1173 | 7 | 1166 | 1022 | 8 | 998.06 | 1.230 | 1.168 | 60000 | 0.5012 | 19.93 | 7.3207 | 0.2354 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 6.72 | 2.90 | 0.56 | 1.13 | 7.92 | 7.35 | 2035 | 25 | 2010 | 1361 | 9 | 1324.52 | 1.206 | 1.154 | 60000 | 0.5012 | 19.93 | 5.7073 | 0.1585 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 6.65 | 2.75 | 0.53 | 1.07 | 8.98 | 8.45 | 1428 | 16 | 1412 | 777 | 6 | 751.70 | 1.268 | 1.209 | 60000 | 0.5012 | 19.93 | 4.4002 | 0.1638 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 6.64 | 2.77 | 0.54 | 1.07 | 10.05 | 9.52 | 881 | 21 | 860 | 369 | 7 | 350.24 | 1.233 | 1.176 | 60000 | 0.5012 | 19.93 | 3.4597 | 0.1915 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 6.64 | 2.71 | 0.52 | 2.62 | 12.67 | 11.36 | 1546 | 17 | 1529 | 579 | 5 | 553.10 | 1.234 | 1.175 | 60000 | 0.5012 | 19.93 | 3.0765 | 0.1344 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 6.66 | 2.76 | 0.53 | 2.67 | 15.34 | 14.01 | 1324 | 22 | 1302 | 652 | 23 | 421.20 | 1.253 | 1.195 | 60000 | 0.5012 | 19.93 | 2.7255 | 0.1415 |
| 30-35 | 30 | 35 | 30 | 35 | 4.92 | 6.80 | 3.00 | 0.58 | 2.92 | 18.26 | 16.80 | 2358 | 7 | 2351 | 605 | 6 | 564.86 | 1.273 | 1.220 | 60000 | 0.5012 | 19.93 | 1.9678 | 0.0863 |
| 35-40 | 35 | 40 | 35 | 40 | 4.92 | 7.04 | 3.32 | 0.65 | 3.24 | 21.51 | 19.88 | 803 | 25 | 778 | 330 | 9 | 310.36 | 1.228 | 1.183 | 60000 | 0.5012 | 19.93 | 3.3702 | 0.1498 |
| 10-12 Duplicate | 10 | 12 | 10 | 12 | 4.92 | 6.97 | 3.30 | 0.64 | 1.29 | 5.79 | 5.14 | 1333 | 16 | 1317 | 1360 | 6 | 1366.00 | 1.282 | 1.235 | 60000 | 0.5012 | 19.93 | 8.3913 | 0.2295 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.92 | 6.72 | 2.90 | 0.56 | 1.13 | 7.92 | 7.35 | 1858 | 21 | 1787 | 1264 | 7 | 1222.57 | 1.244 | 1.190 | 60000 | 0.5012 | 19.93 | 5.7442 | 0.1668 |
| 35-40 Duplicate | 35 | 40 | 35 | 40 | 4.92 | 7.04 | 3.32 | 0.65 | 3.24 | 21.51 | 19.88 | 2477 | 21 | 2456 | 1393 | 7 | 1052.85 | 1.381 | 1.330 | 60000 | 0.4985 | 19.92 | 3.2018 | 0.1006 |

Core 15

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.92 | 6.63 | 2.67 | 0.52 | 1.03 | 1.03 | 0.77 | 2334.0 | 17.00 | 2317 | 3270 | 5 | 3233.33 | 1.228 | 1.169 | 60000 | 0.5002 | 19.93 | 11.9020 | 0.2107 |
| 2-3 | 2 | 3 | 2 | 3 | 4.92 | 6.69 | 2.80 | 0.54 | 0.54 | 1.58 | 1.30 | 2246.0 | 22.00 | 2224 | 3209 | 23 | 3157.78 | 1.218 | 1.162 | 60000 | 0.5002 | 19.93 | 12.1606 | 0.2193 |
| 3-4 | 3 | 4 | 3 | 4 | 4.92 | 6.78 | 2.93 | 0.57 | 0.57 | 2.14 | 1.86 | 1159 | | 1152 | 1147 | 8 | 1124.34 | 1.219 | 1.166 | 60000 | 0.5002 | 19.93 | 14.1792 | 0.3109 |
| 4-5 | 4 | 5 | 4 | 5 | 4.92 | 6.79 | 2.97 | 0.58 | 0.58 | 2.72 | 2.41 | 1411.0 | 25.00 | 1386 | 2239 | 9 | 2212.36 | 1.233 | 1.181 | 60000 | 0.5002 | 19.93 | 13.4782 | 0.2889 |
| 5-6 | 5 | 6 | 5 | 6 | 4.92 | 6.93 | 3.25 | 0.63 | 0.63 | 3.35 | 3.04 | 1893 | 23 | 1870 | 2841 | 8 | 2809.20 | 1.205 | 1.161 | 60000 | 0.5002 | 19.93 | 12.9026 | 0.2123 |
| 6-7 | 6 | 7 | 6 | 7 | 4.92 | 7.08 | 3.43 | 0.67 | 0.67 | 4.03 | 3.69 | 2658.0 | 19.00 | 2639 | 4182 | 7 | 4141.42 | 1.248 | 1.204 | 60000 | 0.5002 | 19.93 | 12.9938 | 0.2031 |
| 7-8 | 7 | 8 | 7 | 8 | 4.92 | 7.00 | 3.30 | 0.65 | 0.65 | 4.67 | 4.35 | 2155.0 | 16.00 | 2139 | 3136 | 6 | 3105.78 | 1.209 | 1.164 | 60000 | 0.5002 | 19.93 | 12.4326 | 0.2245 |
| 8-9 | 8 | 9 | 8 | 9 | 4.92 | 7.11 | 3.47 | 0.68 | 0.68 | 5.35 | 5.01 | 2005.0 | 21.00 | 1984 | 3089 | 7 | 3056.75 | 1.222 | 1.180 | 60000 | 0.5002 | 19.93 | 13.0218 | 0.2370 |
| 9-10 | 9 | 10 | 9 | 10 | 4.92 | 7.21 | 3.73 | 0.73 | 0.73 | 6.09 | 5.72 | 1810.0 | 17.00 | 1793 | 2517 | 5 | 2491.73 | 1.248 | 1.207 | 60000 | 0.5002 | 19.93 | 12.8213 | 0.2604 |
| 10-12 | 10 | 12 | 10 | 12 | 4.92 | 7.66 | 4.43 | 0.88 | 1.76 | 7.84 | 6.96 | 2374.0 | 22.00 | 2352 | 3487 | 23 | 3414.07 | 1.207 | 1.178 | 60000 | 0.5002 | 19.93 | 12.2848 | 0.2126 |
| 12-14 | 12 | 14 | 12 | 14 | 4.92 | 7.38 | 3.94 | 0.78 | 1.56 | 9.40 | 8.62 | 2152.0 | 7.00 | 2145 | 3061 | 8 | 3025.70 | 1.235 | 1.196 | 60000 | 0.5002 | 19.93 | 11.7246 | 0.2147 |
| 14-16 | 14 | 16 | 14 | 16 | 4.92 | 7.35 | 3.89 | 0.77 | 1.53 | 10.93 | 10.16 | 1058.0 | 25.00 | 1033 | 1468 | 9 | 1443.85 | 1.246 | 1.209 | 60000 | 0.5002 | 19.93 | 11.5224 | 0.3065 |
| 16-18 | 16 | 18 | 16 | 18 | 4.92 | 7.30 | 3.78 | 0.74 | 1.49 | 12.42 | 11.67 | 2551.0 | 23.00 | 2528 | 3569 | 8 | 3528.83 | 1.231 | 1.193 | 60000 | 0.5002 | 19.93 | 11.8638 | 0.1977 |
| 18-20 | 18 | 20 | 18 | 20 | 4.92 | 7.29 | 3.78 | 0.74 | 1.49 | 13.90 | 13.16 | 475 | 19 | 456 | 572 | 7 | 559.20 | 1.225 | 1.187 | 60000 | 0.5002 | 19.93 | 10.2963 | 0.4431 |
| 20-25 | 20 | 25 | 20 | 25 | 4.92 | 7.56 | 4.20 | 0.83 | 4.16 | 18.06 | 15.98 | 1854 | 16 | 1838 | 2565 | 6 | 2535.81 | 1.253 | 1.220 | 60000 | 0.5002 | 19.93 | 11.2734 | 0.2254 |
| 25-30 | 25 | 30 | 25 | 30 | 4.92 | 7.57 | 4.29 | 0.85 | 4.25 | 22.31 | 20.18 | 1887 | 21 | 1866 | 2299 | 7 | 2268.25 | 1.258 | 1.226 | 60000 | 0.5002 | 19.93 | 9.8826 | 0.2092 |
| 3-4 Duplicate | 3 | 4 | 3 | 4 | 4.92 | 6.78 | 2.93 | 0.57 | 0.57 | 2.14 | 1.86 | 2100 | 22 | 2078 | 3420 | 23 | 3370.56 | 1.295 | 1.239 | 60000 | 0.5002 | 19.93 | 13.0518 | 0.2272 |
| 5-6 Duplicate | 5 | 6 | 5 | 6 | 4.92 | 6.93 | 3.25 | 0.63 | 0.63 | 3.35 | 3.04 | 1728 | 7 | 1721 | 2798 | 8 | 2768.10 | 1.256 | 1.209 | 60000 | 0.5002 | 19.93 | 13.2639 | 0.2538 |
| 18-20 Duplicate | 18 | 20 | 18 | 20 | 4.92 | 7.29 | 3.78 | 0.74 | 1.49 | 13.90 | 13.16 | 2337 | 17 | 2320 | 3391 | 5 | 3354.68 | 1.367 | 1.305 | 60000 | 0.4985 | 19.92 | 10.8390 | 0.1883 |

Core 16

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.94 | 7.06 | 3.36 | 0.66 | 1.31 | 1.31 | 0.99 | 1710 | 22 | 1688 | 284 | 23 | 2602.14 | 1.236 | 1.191 | 60000 | 0.4922 | 19.88 | 13.6395 | 0.2508 |
| 2-3 | 2 | 3 | 2 | 3 | 4.94 | 7.18 | 3.59 | 0.70 | 0.70 | 2.02 | 1.67 | 2241.0 | 8.00 | 2233 | 3885 | 8 | 3841.59 | 1.265 | 1.223 | 60000 | 0.4942 | 19.87 | 13.8321 | 0.2243 |
| 3-4 | 3 | 4 | 3 | 4 | 4.94 | 7.31 | 3.80 | 0.75 | 0.75 | 2.76 | 2.39 | 1907.0 | 25.00 | 1882 | 2961 | 6 | 2928.61 | 1.238 | 1.200 | 60000 | 0.4922 | 19.88 | 12.5878 | 0.2361 |
| 4-5 | 4 | 5 | 4 | 5 | 4.94 | 7.33 | 3.78 | 0.74 | 0.74 | 3.51 | 3.13 | 1330 | 23 | 1307 | 2111 | 6 | 2086.06 | 1.232 | 1.194 | 60000 | 0.4922 | 19.88 | 13.0642 | 0.2887 |
| 5-6 | 5 | 6 | 5 | 6 | 4.94 | 7.38 | 3.88 | 0.76 | 0.76 | 4.27 | 3.89 | 2072 | 19 | 2053 | 3713 | 6 | 3650.42 | 1.247 | 1.210 | 60000 | 0.4922 | 19.88 | 14.5016 | 0.2403 |
| 6-7 | 6 | 7 | 6 | 7 | 4.94 | 7.66 | 4.39 | 0.87 | 0.87 | 5.14 | 4.70 | 1630 | 16 | 1614 | 3173 | 6 | 3146.10 | 1.295 | 1.263 | 60000 | 0.4922 | 19.88 | 15.1021 | 0.2707 |
| 7-8 | 7 | 8 | 7 | 8 | 4.94 | 7.45 | 4.01 | 0.79 | 0.79 | 5.92 | 5.53 | 2258 | 21 | 2237 | 4226 | 7 | 4190.03 | 1.263 | 1.240 | 60000 | 0.4922 | 19.88 | 14.7815 | 0.2295 |
| 8-9 | 8 | 9 | 8 | 9 | 4.94 | 7.58 | 4.23 | 0.83 | 0.83 | 6.76 | 6.34 | 1069 | 25 | 1044 | 1727 | 6 | 1705.25 | 1.250 | 1.217 | 60000 | 0.4942 | 19.87 | 13.1758 | 0.3218 |
| 9-10 | 9 | 10 | 9 | 10 | 4.94 | 7.60 | 4.23 | 0.84 | 0.84 | 7.59 | 7.17 | 2291 | 22 | 2269 | 3630 | 23 | 3577.62 | 1.249 | 1.216 | 60000 | 0.4922 | 19.88 | 12.6878 | 0.2143 |
| 10-12 | 10 | 12 | 10 | 12 | 4.94 | 7.59 | 4.23 | 0.84 | 1.67 | 9.26 | 8.43 | 1033 | 7 | 1026 | 1497 | 8 | 1475.74 | 1.231 | 1.199 | 60000 | 0.4922 | 19.88 | 11.7418 | 0.3087 |
| 12-14 | 12 | 14 | 12 | 14 | 4.94 | 7.63 | 4.26 | 0.84 | 1.68 | 10.94 | 10.10 | 2204 | 25 | 2179 | 3212 | 8 | 3175.79 | 1.229 | 1.187 | 60000 | 0.4922 | 19.88 | 11.9159 | 0.2126 |
| 14-16 | 14 | 16 | 14 | 16 | 4.94 | 7.50 | 4.09 | 0.81 | 1.61 | 12.55 | 11.75 | 2357 | 23 | 2334 | 3213 | 8 | 3174.78 | 1.242 | 1.208 | 60000 | 0.4922 | 19.88 | 11.0204 | 0.1970 |
| 16-18 | 16 | 18 | 16 | 18 | 4.94 | 7.66 | 4.35 | 0.86 | 1.72 | 14.27 | 13.41 | 2084 | 19 | 2065 | 2801 | 6 | 2768.26 | 1.254 | 1.222 | 60000 | 0.4922 | 19.88 | 10.7319 | 0.2054 |
| 18-20 | 18 | 20 | 18 | 20 | 4.94 | 7.62 | 4.29 | 0.85 | 1.69 | 15.97 | 15.12 | 2315 | 16 | 2295 | 2998 | 6 | 2962.26 | 1.269 | 1.236 | 60000 | 0.4922 | 19.88 | 10.2167 | 0.1890 |
| 20-25 | 20 | 25 | 20 | 25 | 4.94 | 7.82 | 4.58 | 0.91 | 4.54 | 20.50 | 18.23 | 2153 | 21 | 2132 | 2420 | 7 | 2385.39 | 1.266 | 1.237 | 60000 | 0.4922 | 19.88 | 8.8054 | 0.1628 |
| 1-2 Duplicate | 1 | 2 | 0 | 2 | 4.94 | 7.06 | 3.36 | 0.66 | 1.31 | 1.31 | 0.99 | 1995 | 22 | 1973 | 3273 | 23 | 3224.01 | 1.268 | 1.222 | 60000 | 0.4942 | 19.87 | 13.1218 | 0.2338 |

## Table 2: Continued.

### Core 17

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet ex. (g/ml) (33 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Plot-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Background Counts | Po-209 counts less detector background | Po-210 counts | Detector Po-210 Background Counts | Po-210 counts less detector background | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Po-210 Total Activity (DPM/g) (salt corrected) | Error Po-210 +/- 1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.94 | 5.81 | 1.42 | 0.25 | 0.52 | 0.52 | 0.39 | 1723 | 17 | 1706 | 3437 | 6 | 3409.00 | 1.227 | 1.098 | 60000 | 0.4929 | 19.88 | 17.8380 | 0.3014 |
| 2-3 | 2 | 3 | 2 | 3 | 4.93 | 5.79 | 1.35 | 0.24 | 0.24 | 0.76 | 0.64 | 2605 | 21 | 2484 | 4869 | 7 | 4840.96 | 1.245 | 1.119 | 60000 | 0.4929 | 19.88 | 17.1045 | 0.2468 |
| 3-4 | 3 | 4 | 3 | 4 | 4.93 | 5.87 | 1.47 | 0.27 | 0.27 | 1.03 | 0.89 | 2262 | 17 | 2245 | 4410 | 6 | 4375.05 | 1.248 | 1.125 | 60000 | 0.4929 | 19.88 | 16.9753 | 0.2518 |
| 4-5 | 4 | 5 | 4 | 5 | 4.93 | 5.95 | 1.59 | 0.29 | 0.29 | 1.32 | 1.17 | 1657 | 19 | 1638 | 3113 | 7 | 3084.89 | 1.249 | 1.145 | 60000 | 0.4929 | 19.88 | 16.1180 | 0.2918 |
| 5-6 | 5 | 6 | 5 | 6 | 4.93 | 5.94 | 1.55 | 0.28 | 0.28 | 1.61 | 1.46 | 1641 | 17 | 1624 | 3252 | 6 | 3225.06 | 1.275 | 1.156 | 60000 | 0.4929 | 19.88 | 16.8367 | 0.2680 |
| 6-7 | 6 | 7 | 6 | 7 | 4.93 | 6.05 | 1.75 | 0.33 | 0.33 | 1.93 | 1.77 | 1897 | 21 | 1876 | 3675 | 7 | 3643.81 | 1.272 | 1.170 | 60000 | 0.4929 | 19.88 | 16.2692 | 0.2709 |
| 7-8 | 7 | 8 | 7 | 8 | 4.93 | 6.20 | 2.02 | 0.38 | 0.38 | 2.32 | 2.13 | 1722 | 22 | 1700 | 3132 | 23 | 3087.08 | 1.263 | 1.196 | 60000 | 0.4929 | 19.88 | 14.6641 | 0.2738 |
| 8-9 | 8 | 9 | 8 | 9 | 4.93 | 6.05 | 1.79 | 0.33 | 0.33 | 2.65 | 2.48 | 1602 | 8 | 1594 | 2771 | 8 | 2742.44 | 1.245 | 1.147 | 60000 | 0.4929 | 19.88 | 14.7218 | 0.2826 |
| 9-10 | 9 | 10 | 9 | 10 | 4.93 | 6.08 | 1.81 | 0.34 | 0.34 | 2.99 | 2.82 | 969 | 23 | 946 | 1667 | 6 | 1666.54 | 1.238 | 1.143 | 60000 | 0.4942 | 19.87 | 15.1368 | 0.3740 |
| 10-12 | 10 | 12 | 10 | 12 | 4.93 | 6.22 | 2.02 | 0.38 | 0.76 | 3.75 | 3.37 | 2181 | 25 | 2156 | 3926 | 6 | 3890.04 | 1.268 | 1.181 | 60000 | 0.4929 | 19.88 | 14.8921 | 0.2401 |
| 12-14 | 12 | 14 | 12 | 14 | 4.93 | 6.24 | 1.99 | 0.37 | 0.75 | 4.50 | 4.13 | 1018 | 19 | 999 | 1745 | 7 | 1725.12 | 1.330 | 1.236 | 60000 | 0.4929 | 19.88 | 13.6862 | 0.3321 |
| 14-16 | 14 | 16 | 14 | 16 | 4.93 | 6.21 | 2.03 | 0.38 | 0.76 | 5.26 | 4.88 | 2027 | 17 | 2010 | 3097 | 6 | 3065.08 | 1.239 | 1.143 | 60000 | 0.4929 | 19.88 | 13.3687 | 0.2376 |
| 16-18 | 16 | 18 | 16 | 18 | 4.93 | 6.14 | 1.90 | 0.36 | 0.71 | 5.97 | 5.62 | 2264 | 21 | 2243 | 3125 | 7 | 3089.07 | 1.259 | 1.166 | 60000 | 0.4929 | 19.88 | 11.5713 | 0.2095 |
| 18-20 | 18 | 20 | 18 | 20 | 4.93 | 6.05 | 1.78 | 0.33 | 0.67 | 6.64 | 6.31 | 1720 | 17 | 1703 | 2294 | 6 | 2265.57 | 1.356 | 1.249 | 60000 | 0.4942 | 19.87 | 10.4567 | 0.2214 |
| 20-25 | 20 | 25 | 20 | 25 | 4.93 | 6.17 | 1.94 | 0.37 | 1.83 | 8.47 | 7.55 | 1741 | 22 | 1719 | 1917 | 23 | 1871.83 | 1.269 | 1.178 | 60000 | 0.4929 | 19.88 | 9.0503 | 0.2133 |
| 25-30 | 25 | 30 | 25 | 30 | 4.93 | 6.24 | 2.02 | 0.38 | 1.91 | 10.38 | 9.42 | 1853 | 8 | 1845 | 1741 | 8 | 1709.21 | 1.282 | 1.194 | 60000 | 0.4929 | 19.88 | 7.6058 | 0.1861 |
| 30-35 | 30 | 35 | 30 | 35 | 4.93 | 6.24 | 2.03 | 0.38 | 1.91 | 12.28 | 11.33 | 1650 | 25 | 1625 | 1670 | 8 | 1641.04 | 1.292 | 1.199 | 60000 | 0.4929 | 19.88 | 6.2539 | 0.2060 |
| 35-40 | 35 | 40 | 35 | 40 | 4.93 | 6.17 | 1.90 | 0.36 | 1.78 | 14.07 | 13.18 | 1995 | 23 | 1972 | 1235 | 8 | 1204.57 | 1.268 | 1.174 | 60000 | 0.4929 | 19.88 | 5.0971 | 0.1494 |
| 40-45 | 40 | 45 | 40 | 45 | 4.93 | 6.18 | 1.92 | 0.36 | 1.80 | 15.86 | 14.97 | 2159 | 19 | 2140 | 1281 | 7 | 1246.40 | 1.294 | 1.199 | 60000 | 0.4929 | 19.88 | 4.7594 | 0.1370 |
| 45-50 | 45 | 50 | 45 | 50 | 4.93 | 6.12 | 1.86 | 0.35 | 1.75 | 17.62 | 16.75 | 2045 | 17 | 2028 | 933 | 6 | 900.85 | 1.261 | 1.165 | 60000 | 0.4929 | 19.88 | 3.7336 | 0.1270 |
| 2-3 Duplicate | 2 | 3 | 2 | 3 | 4.93 | 5.79 | 1.35 | 0.24 | 0.24 | 0.76 | 0.64 | 1549 | 21 | 1528 | 3104 | 7 | 3077.29 | 1.275 | 1.132 | 60000 | 0.4929 | 19.88 | 17.4345 | 0.3160 |
| 14-16 Duplicate | 14 | 16 | 14 | 16 | 4.93 | 6.21 | 2.03 | 0.38 | 0.76 | 5.26 | 4.88 | 1412 | 19 | 1393 | 107 | 7 | 2281.65 | 1.342 | 1.236 | 60000 | 0.4942 | 19.87 | 12.9873 | 0.2738 |

### Core 18

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet ex. (g/ml) (33 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Plot-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Background Counts | Po-209 counts less detector background | Po-210 counts | Detector Po-210 Background Counts | Po-210 counts less detector background | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Po-210 Total Activity (DPM/g) (salt corrected) | Error Po-210 +/- 1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.93 | 8.97 | 6.21 | 1.24 | 2.48 | 2.48 | 1.86 | 1745.0 | 17.00 | 1728 | 1468 | 6 | 1439.71 | 1.583 | 1.550 | 60000 | 0.4944 | 19.86 | 5.2498 | 0.1400 |
| 2-3 | 2 | 3 | 2 | 3 | 4.93 | 9.43 | 7.00 | 1.40 | 1.40 | 3.89 | 3.18 | 1635 | 21 | 1614 | 1438 | 7 | 1410.18 | 1.723 | 1.702 | 60000 | 0.4944 | 19.86 | 5.0417 | 0.1353 |
| 3-4 | 3 | 4 | 3 | 4 | 4.93 | 9.58 | 7.30 | 1.46 | 1.46 | 5.34 | 4.61 | 2305 | 17 | 2288 | 1750 | 6 | 1714.49 | 1.623 | 1.591 | 60000 | 0.4944 | 19.86 | 4.6124 | 0.1127 |
| 4-5 | 4 | 5 | 4 | 5 | 4.93 | 9.43 | 6.97 | 1.40 | 1.40 | 6.74 | 6.04 | 1464 | 22 | 1442 | 1088 | 23 | 1128.40 | 1.707 | 1.687 | 60000 | 0.4944 | 19.86 | 4.5505 | 0.1394 |
| 5-6 | 5 | 6 | 5 | 6 | 4.93 | 9.53 | 7.11 | 1.43 | 1.43 | 8.17 | 7.45 | 1370 | 8 | 1362 | 867 | 8 | 841.43 | 1.714 | 1.695 | 60000 | 0.4944 | 19.86 | 3.5827 | 0.1256 |
| 6-7 | 6 | 7 | 6 | 7 | 4.93 | 9.7 | 7.36 | 1.48 | 1.48 | 9.64 | 8.91 | 1299 | 25 | 1274 | 718 | 8 | 693.57 | 1.810 | 1.790 | 60000 | 0.4944 | 19.86 | 2.9861 | 0.1161 |
| 7-8 | 7 | 8 | 7 | 8 | 4.93 | 9.19 | 6.72 | 1.35 | 1.35 | 10.99 | 10.32 | 1668 | 23 | 1645 | 879 | 8 | 849.78 | 1.773 | 1.751 | 60000 | 0.4944 | 19.86 | 2.8686 | 0.1016 |
| 8-9 | 8 | 9 | 8 | 9 | 4.93 | 9.50 | 7.06 | 1.41 | 1.41 | 12.41 | 11.70 | 1623 | 19 | 1604 | 827 | 7 | 799.31 | 1.732 | 1.712 | 60000 | 0.4944 | 19.86 | 2.8605 | 0.1033 |
| 9-10 | 9 | 10 | 9 | 10 | 4.93 | 9.12 | 6.87 | 1.38 | 1.38 | 13.78 | 13.09 | 1519 | 17 | 1502 | 555 | 6 | 529.37 | 1.778 | 1.757 | 60000 | 0.4944 | 19.86 | 1.9455 | 0.0870 |
| 10-11 | 10 | 11 | 10 | 11 | 4.93 | 9.27 | 6.68 | 1.34 | 1.34 | 15.12 | 14.45 | 1363 | 21 | 1342 | 311 | 7 | 286.68 | 1.789 | 1.760 | 60000 | 0.4944 | 19.86 | 1.0886 | 0.0739 |
| 11-12 | 11 | 12 | 11 | 12 | 4.93 | 9.09 | 6.50 | 1.30 | 1.30 | 16.42 | 15.77 | 2083 | 17 | 2066 | 513 | 6 | 480.96 | 1.796 | 1.772 | 60000 | 0.4944 | 19.86 | 1.2693 | 0.0611 |
| 12-13 | 12 | 13 | 12 | 13 | 4.93 | 9.24 | 6.73 | 1.35 | 1.35 | 17.77 | 17.09 | 2378 | 23 | 2354 | 502 | 23 | 448.54 | 1.804 | 1.782 | 60000 | 0.4944 | 19.86 | 1.0513 | 0.0537 |
| 13-14 | 13 | 14 | 13 | 14 | 4.93 | 9.18 | 6.61 | 1.32 | 1.32 | 19.09 | 18.43 | 1218 | 8 | 1210 | 314 | 8 | 290.50 | 1.811 | 1.794 | 60000 | 0.4944 | 19.86 | 1.3242 | 0.0818 |
| 14-15 | 14 | 15 | 14 | 15 | 4.93 | 8.99 | 6.89 | 1.38 | 1.38 | 20.48 | 19.78 | 1676 | 25 | 1651 | 566 | 8 | 534.11 | 1.708 | 1.686 | 60000 | 0.4944 | 19.86 | 1.6805 | 0.0754 |
| 15-16 | 15 | 16 | 15 | 16 | 4.94 | 9.28 | 6.72 | 1.34 | 1.34 | 21.82 | 21.15 | 1961 | 23 | 1938 | 576 | 8 | 543.01 | 1.716 | 1.695 | 60000 | 0.4944 | 19.86 | 1.9506 | 0.0691 |
| 16-17 | 16 | 17 | 16 | 17 | 4.94 | 9.55 | 7.10 | 1.42 | 1.42 | 23.24 | 22.53 | 1318 | 19 | 1299 | 555 | 7 | 531.25 | 1.676 | 1.655 | 60000 | 0.4944 | 19.86 | 2.1873 | 0.1067 |
| 17-18 | 17 | 18 | 17 | 18 | 4.94 | 9.15 | 6.49 | 1.30 | 1.30 | 24.54 | 23.89 | 1251 | 17 | 1234 | 657 | 6 | 634.57 | 1.882 | 1.857 | 60000 | 0.4944 | 19.86 | 2.6367 | 0.1010 |
| 18-19 | 18 | 19 | 18 | 19 | 4.94 | 8.98 | 6.29 | 1.26 | 1.26 | 25.80 | 25.17 | 376 | 21 | 357 | 167 | 7 | 155.40 | 1.828 | 1.802 | 60000 | 0.4944 | 19.86 | 2.3739 | 0.2015 |
| 2-3 Duplicate | 2 | 3 | 2 | 3 | 4.93 | 9.43 | 7.00 | 1.40 | 1.40 | 3.89 | 3.18 | 2085 | 8 | 2077 | 2007 | 8 | 1972.21 | 1.762 | 1.742 | 60000 | 0.4944 | 19.86 | 5.3567 | 0.1220 |
| 18-9 Duplicate | 18 | 19 | 18 | 19 | 4.94 | 8.98 | 6.29 | 1.26 | 1.26 | 25.80 | 25.17 | 545 | 21 | 524 | 272 | 7 | 258.10 | 1.730 | 1.706 | 60000 | 0.4942 | 19.87 | 2.8359 | 0.1835 |

### Core 19

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet ex. (g/ml) (33 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Plot-point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Background Counts | Po-209 counts less detector background | Po-210 counts | Detector Po-210 Background Counts | Po-210 counts less detector background | Weight of Sample Counted (g) | Weight of Sample Counted-Salt (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ ml) | Po-210 Total Activity (DPM/g) (salt corrected) | Error Po-210 +/- 1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.94 | 7.07 | 3.44 | 0.67 | 1.35 | 1.35 | 1.01 | 2657 | 25 | 2632 | 4163 | 8 | 4147.06 | 1.208 | 1.187 | 60000 | 0.5001 | 19.88 | 13.4215 | 0.2057 |
| 2-3 | 2 | 3 | 2 | 3 | 4.94 | 7.28 | 3.61 | 0.70 | 0.70 | 2.10 | 1.72 | 1832 | 17 | 1815 | 3218 | 6 | 3189.09 | 1.214 | 1.191 | 60000 | 0.4942 | 19.87 | 12.8873 | 0.2309 |
| 3-4 | 3 | 4 | 3 | 4 | 4.94 | 7.43 | 3.68 | 0.72 | 0.72 | 2.82 | 2.46 | 2122 | 19 | 2103 | 3445 | 7 | 3417.88 | 1.221 | 1.201 | 60000 | 0.5001 | 19.88 | 13.2039 | 0.2414 |
| 4-5 | 4 | 5 | 4 | 5 | 4.94 | 7.29 | 3.72 | 0.73 | 0.73 | 3.61 | 3.24 | 2274 | 17 | 2257 | 3615 | 6 | 3539.89 | 1.249 | 1.209 | 60000 | 0.5001 | 19.88 | 13.1568 | 0.3000 |
| 5-6 | 5 | 6 | 5 | 6 | 4.94 | 7.88 | 4.65 | 0.91 | 0.91 | 4.52 | 4.06 | 1709 | 21 | 1688 | 2098 | 7 | 2074.50 | 1.242 | 1.189 | 60000 | 0.5001 | 19.88 | 13.9836 | 0.3000 |
| 6-7 | 6 | 7 | 6 | 7 | 4.94 | 7.4 | 4.44 | 0.88 | 0.88 | 5.40 | 4.96 | 324 | 17 | 307 | 530 | 6 | 520.04 | 1.264 | 1.233 | 60000 | 0.5001 | 19.88 | 13.8508 | 0.6079 |
| 7-8 | 7 | 8 | 7 | 8 | 4.94 | 7.56 | 4.19 | 0.83 | 0.83 | 6.22 | 5.81 | 1610 | 22 | 1588 | 2632 | 23 | 2586.52 | 1.262 | 1.229 | 60000 | 0.5001 | 19.88 | 14.2078 | 0.4722 |
| 8-9 | 8 | 9 | 8 | 9 | 4.94 | 7.43 | 4.00 | 0.79 | 0.79 | 7.01 | 6.62 | 1303 | 8 | 1295 | 2708 | 8 | 2373.30 | 1.235 | 1.200 | 60000 | 0.5001 | 19.88 | 15.1811 | 0.3138 |
| 9-10 | 9 | 10 | 9 | 10 | 4.94 | 7.43 | 3.97 | 0.78 | 0.78 | 7.78 | 7.40 | 2236 | 25 | 2211 | 4030 | 8 | 3993.48 | 1.234 | 1.198 | 60000 | 0.5001 | 19.88 | 14.9518 | 0.2764 |
| 10-12 | 10 | 12 | 10 | 12 | 4.94 | 7.49 | 4.06 | 0.80 | 1.60 | 9.39 | 8.59 | 2027 | 23 | 2004 | 3194 | 8 | 3160.15 | 1.245 | 1.210 | 60000 | 0.5001 | 19.88 | 12.9520 | 0.2319 |
| 12-14 | 12 | 14 | 12 | 14 | 4.94 | 7.22 | 3.67 | 0.72 | 1.44 | 10.83 | 10.11 | 1400 | 19 | 1381 | 2415 | 7 | 2390.19 | 1.261 | 1.221 | 60000 | 0.5001 | 19.88 | 14.2941 | 0.2902 |
| 14-16 | 14 | 16 | 16 | 16 | 4.94 | 7.33 | 3.82 | 0.76 | 1.50 | 12.33 | 11.58 | 1141 | 17 | 1124 | 1863 | 6 | 1842.55 | 1.269 | 1.230 | 60000 | 0.5001 | 19.88 | 13.2434 | 0.3107 |
| 16-18 | 16 | 18 | 16 | 18 | 4.94 | 7.30 | 3.75 | 0.74 | 1.47 | 13.80 | 13.06 | 2495 | 21 | 2474 | 3962 | 7 | 3943.09 | 1.237 | 1.198 | 60000 | 0.5001 | 19.88 | 13.2214 | 0.2118 |
| 18-20 | 18 | 20 | 18 | 20 | 4.94 | 7.32 | 3.81 | 0.75 | 1.50 | 15.30 | 14.55 | 1905 | 8 | 1897 | 3295 | 8 | 3203.01 | 1.333 | 1.292 | 60000 | 0.4942 | 19.87 | 12.8366 | 0.2261 |
| 1-2 Duplicate | 1 | 2 | 0 | 2 | 4.94 | 7.07 | 3.44 | 0.67 | 1.35 | 1.35 | 1.01 | 2296 | 8 | 2288 | 3817 | 8 | 3639.45 | 1.226 | 1.193 | 60000 | 0.5001 | 19.88 | 13.1816 | 0.2226 |
| 6-7 Duplicate | 6 | 7 | 6 | 7 | 4.94 | 7.74 | 4.44 | 0.88 | 0.88 | 5.40 | 4.96 | 790 | 22 | 768 | 1341 | 23 | 1307.88 | 1.378 | 1.342 | 60000 | 0.4942 | 19.87 | 12.4576 | 0.3518 |

Table 2: Continued.

**Core 20**

| Core Depth (cm) | Upper Depth | Lower Depth | Extrapolated Upper Section Depth (cm) | Extrapolated Lower Section Depth (cm) | Volume of wet sample (ml) | Weight of wet sample (g) | Weight of dry sample (g) | Dry Wt./ Wet cc. (g/cm3) (35 ppt corrected) | Mass in extrapolated section (g/cm2) | Cumulative Mass to Bottom of Current Section (g/cm2) | Plot point of cumulative mass in current section (g/cm2) | Po-209 counts | Detector Po-209 Background Counts | Po-209 counts less detector background | Po-210 counts | Detector Po-210 Background Counts | Po-210 counts less detector background | Weight of Sample Counted (g) | Weight of Sample Counted-Soil (g) | Count Time (sec) | Spike Size (ml) | Spike Activity (DPM/ml) | Po-210 Total Activity (DPM/g) (soil corrected) | Error Po-210 +/-1 S.D. (DPM/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3-4 | 3 | 4 | 3 | 4 | 4.94 | 6.21 | 2.03 | 0.38 | 0.38 | 1.46 | 1.27 | 2322 | 8 | 2314 | 3755 | 8 | 3716.18 | 1.227 | 1.143 | 60000 | 0.4829 | 19.87 | 13.758 | 0.2271 |
| 4-5 | 4 | 5 | 4 | 5 | 4.94 | 6.20 | 2.02 | 0.38 | 0.38 | 1.84 | 1.65 | 2102 | 25 | 2077 | 3854 | 8 | 3818.34 | 1.258 | 1.112 | 60000 | 0.4829 | 19.87 | 13.7532 | 0.2361 |
| 5-6 | 5 | 6 | 5 | 6 | 4.94 | 6.22 | 2.09 | 0.39 | 0.39 | 2.23 | 2.04 | 1095 | 23 | 1072 | 1550 | 8 | 1527.12 | 1.230 | 1.153 | 60000 | 0.4829 | 19.87 | 12.1095 | 0.3128 |
| 6-7 | 6 | 7 | 6 | 7 | 4.94 | 6.24 | 2.19 | 0.41 | 0.41 | 2.64 | 2.43 | 2081 | 19 | 2062 | 3051 | 7 | 3016.53 | 1.268 | 1.206 | 60000 | 0.4829 | 19.87 | 11.679 | 0.2176 |
| 7-8 | 7 | 8 | 7 | 8 | 4.94 | 6.35 | 2.26 | 0.43 | 0.43 | 3.07 | 2.85 | 1470 | 25 | 1445 | 1517 | 8 | 1459.97 | 0.945 | 0.869 | 60000 | 0.4843 | 19.87 | 11.3946 | 0.2686 |
| 8-9 | 8 | 9 | 8 | 9 | 4.94 | 6.33 | 2.21 | 0.42 | 0.42 | 3.49 | 3.28 | 708 | 23 | 685 | 556 | 8 | 536.98 | 0.825 | 0.868 | 60000 | 0.4843 | 19.87 | 8.8001 | 0.3622 |
| 9-10 | 9 | 10 | 9 | 10 | 4.94 | 6.34 | 2.24 | 0.42 | 0.42 | 3.91 | 3.70 | 1922 | 19 | 1903 | 1823 | 7 | 1790.94 | 1.214 | 1.134 | 60000 | 0.4843 | 19.87 | 8.1474 | 0.1946 |
| 10-12 | 10 | 12 | 10 | 12 | 4.94 | 6.30 | 2.25 | 0.43 | 0.86 | 4.77 | 4.34 | 1867 | 22 | 1845 | 1516 | 23 | 1468.43 | 1.236 | 1.162 | 60000 | 0.4829 | 19.87 | 8.7110 | 0.1783 |
| 12-14 | 12 | 14 | 12 | 14 | 4.94 | 6.33 | 2.22 | 0.42 | 0.84 | 5.62 | 5.19 | 2317 | 8 | 2309 | 1535 | 8 | 1496.24 | 1.230 | 1.155 | 60000 | 0.4829 | 19.87 | 5.8642 | 0.1460 |
| 14-16 | 14 | 16 | 14 | 16 | 4.94 | 6.36 | 2.28 | 0.43 | 0.87 | 6.49 | 6.05 | 2067 | 25 | 2042 | 1061 | 8 | 1025.53 | 1.208 | 1.137 | 60000 | 0.4829 | 19.87 | 4.2963 | 0.1367 |
| 16-18 | 16 | 18 | 16 | 18 | 4.94 | 6.34 | 2.22 | 0.42 | 0.85 | 7.33 | 6.91 | 2549 | 23 | 2526 | 1184 | 8 | 1142.35 | 1.215 | 1.141 | 60000 | 0.4829 | 19.87 | 3.5833 | 0.1174 |
| 18-20 | 18 | 20 | 18 | 20 | 4.94 | 6.31 | 2.22 | 0.42 | 0.84 | 8.18 | 7.75 | 1046 | 19 | 1027 | 403 | 7 | 382.32 | 1.242 | 1.166 | 60000 | 0.4829 | 19.87 | 3.1267 | 0.1658 |
| 20-25 | 20 | 25 | 20 | 25 | 4.94 | 6.30 | 2.17 | 0.41 | 2.06 | 10.23 | 9.21 | 1870 | 17 | 1853 | 570 | 6 | 536.32 | 1.248 | 1.169 | 60000 | 0.4829 | 19.87 | 2.4383 | 0.1085 |
| 25-30 | 25 | 30 | 25 | 30 | 4.94 | 6.53 | 2.58 | 0.50 | 2.49 | 12.73 | 11.48 | 2271 | 17 | 2254 | 555 | 6 | 518.31 | 1.207 | 1.146 | 60000 | 0.4843 | 19.87 | 1.8735 | 0.0900 |
| 30-35 | 30 | 35 | 30 | 35 | 4.94 | 6.49 | 2.48 | 0.47 | 2.37 | 15.10 | 13.91 | 2182 | 17 | 2165 | 499 | 6 | 464.16 | 1.275 | 1.207 | 60000 | 0.4829 | 19.87 | 1.7402 | 0.0843 |
| 35-40 | 35 | 40 | 35 | 40 | 4.94 | 6.42 | 2.40 | 0.46 | 2.30 | 17.40 | 16.25 | 1707 | 21 | 1686 | 268 | 7 | 268.79 | 1.068 | 1.026 | 60000 | 0.4843 | 19.87 | 1.5226 | 0.0999 |
| 40-45 | 40 | 45 | 40 | 41.5 | 4.94 | 6.39 | 2.36 | 0.45 | 3.38 | 20.78 | 19.53 | 1739 | 8 | 1731 | 443 | 8 | 411.94 | 1.351 | 1.275 | 60000 | 0.4829 | 19.87 | 1.8298 | 0.0943 |
| 45-50 | 50 | 55 | 48 | 55 | 4.94 | 6.86 | 3.04 | 0.58 | 4.43 | 25.21 | 23.73 | 2030 | 25 | 2005 | 1040 | 8 | 1005.29 | 1.251 | 1.159 | 60000 | 0.4829 | 19.87 | 4.0959 | 0.1319 |
| 20-25 Duplicate | 20 | 25 | 20 | 25 | 4.94 | 6.30 | 2.17 | 0.41 | 2.06 | 10.23 | 9.21 | 1257 | 21 | 1236 | 325 | 7 | 301.54 | 1.242 | 1.164 | 60000 | 0.4829 | 19.87 | 2.0536 | 0.1241 |
| 50-55 Duplicate | 50 | 55 | 48 | 55 | 4.94 | 6.86 | 3.04 | 0.58 | 4.43 | 25.21 | 23.73 | 1574 | 17 | 1557 | 759 | 6 | 732.69 | 1.185 | 1.136 | 60000 | 0.4842 | 19.87 | 4.3071 | 0.1536 |

**Core 21**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.94 | 5.66 | 1.16 | 0.21 | 0.41 | 0.41 | 0.31 | 2138 | 26 | 2112 | 3770 | 8 | 3734.01 | 1.319 | 1.151 | 60000 | 0.4919 | 19.96 | 15.3099 | 0.2471 |
| 2-3 | 2 | 3 | 2 | 3 | 4.94 | 5.83 | 1.44 | 0.26 | 0.26 | 0.67 | 0.54 | 2042 | 22 | 2020 | 3334 | 23 | 3284.39 | 1.270 | 1.142 | 60000 | 0.4837 | 19.87 | 13.9672 | 0.2464 |
| 3-4 | 3 | 4 | 3 | 4 | 4.94 | 5.89 | 1.51 | 0.28 | 0.28 | 0.95 | 0.81 | 2059 | 8 | 2051 | 3766 | 8 | 3323.69 | 1.267 | 1.146 | 60000 | 0.4837 | 19.87 | 13.8600 | 0.2421 |
| 4-5 | 4 | 5 | 4 | 5 | 4.94 | 6.00 | 1.77 | 0.33 | 0.33 | 1.28 | 1.12 | 2283 | 25 | 2258 | 3531 | 8 | 3493.13 | 1.227 | 1.130 | 60000 | 0.4837 | 19.87 | 13.3723 | 0.2277 |
| 5-6 | 5 | 6 | 5 | 6 | 4.94 | 5.91 | 1.59 | 0.29 | 0.29 | 1.57 | 1.43 | 2417 | 23 | 2394 | 3469 | 8 | 3428.47 | 1.224 | 1.114 | 60000 | 0.4837 | 19.87 | 12.6188 | 0.2169 |
| 6-7 | 6 | 7 | 6 | 7 | 4.94 | 6.44 | 2.47 | 0.47 | 0.47 | 2.05 | 1.81 | 1427 | 22 | 405 | 1852 | 23 | 1610.43 | 1.228 | 1.153 | 60000 | 0.4837 | 19.87 | 9.6705 | 0.2457 |
| 7-8 | 7 | 8 | 7 | 8 | 4.94 | 6.15 | 1.95 | 0.37 | 0.37 | 2.41 | 2.23 | 2373 | 8 | 2365 | 306 | 8 | 3047.65 | 1.251 | 1.162 | 60000 | 0.4837 | 19.87 | 10.6640 | 0.1987 |
| 8-9 | 8 | 9 | 8 | 9 | 4.94 | 6.29 | 2.25 | 0.44 | 0.44 | 2.85 | 2.63 | 2095 | 25 | 3010 | 2031 | 8 | 2035.74 | 1.247 | 1.175 | 60000 | 0.4837 | 19.87 | 6.2137 | 0.1640 |
| 9-10 | 9 | 10 | 9 | 10 | 4.94 | 6.17 | 2.03 | 0.38 | 0.38 | 3.23 | 3.04 | 2232 | 23 | 2209 | 2111 | 8 | 2073.90 | 1.242 | 1.159 | 60000 | 0.4837 | 19.87 | 7.9490 | 0.1764 |
| 10-12 | 10 | 12 | 10 | 12 | 4.94 | 6.34 | 2.19 | 0.41 | 0.82 | 4.05 | 3.64 | 2067 | 19 | 2068 | 1595 | 7 | 1560.62 | 1.269 | 1.191 | 60000 | 0.4919 | 19.86 | 5.1917 | 0.1568 |
| 12-14 | 12 | 14 | 12 | 14 | 4.94 | 6.38 | 2.31 | 0.44 | 0.88 | 4.93 | 4.49 | 2285 | 17 | 2268 | 1285 | 8 | 1249.13 | 1.257 | 1.164 | 60000 | 0.4837 | 19.87 | 4.5639 | 0.1313 |
| 14-16 | 14 | 16 | 14 | 16 | 4.94 | 6.24 | 2.07 | 0.39 | 0.78 | 5.72 | 5.33 | 1686 | 21 | 1665 | 836 | 7 | 805.03 | 1.243 | 1.150 | 60000 | 0.4837 | 19.87 | 4.1015 | 0.1474 |
| 16-18 | 16 | 18 | 16 | 18 | 4.94 | 6.43 | 2.33 | 0.45 | 0.89 | 6.61 | 6.16 | 2180 | 17 | 2173 | 797 | 6 | 732.38 | 1.238 | 1.166 | 60000 | 0.4837 | 19.87 | 2.6352 | 0.1076 |
| 18-20 | 18 | 20 | 16 | 20 | 4.94 | 6.32 | 2.16 | 0.41 | 0.82 | 7.43 | 7.02 | 2535 | 22 | 2513 | 789 | 23 | 732.80 | 1.238 | 1.159 | 60000 | 0.4837 | 19.87 | 2.4675 | 0.0960 |
| 20-25 | 20 | 25 | 20 | 25 | 4.94 | 6.40 | 2.44 | 0.47 | 2.34 | 9.77 | 8.60 | 2434 | 8 | 2426 | 534 | 8 | 504.05 | 1.251 | 1.164 | 60000 | 0.4837 | 19.87 | 2.2289 | 0.0865 |
| 25-30 | 25 | 30 | 25 | 30 | 4.94 | 6.61 | 2.66 | 0.51 | 2.58 | 12.33 | 11.05 | 2520 | 25 | 2495 | 513 | 8 | 472.14 | 1.231 | 1.171 | 60000 | 0.4837 | 19.87 | 1.5859 | 0.0787 |
| 30-35 | 30 | 35 | 30 | 35 | 4.94 | 7.00 | 3.25 | 0.63 | 3.17 | 15.50 | 13.92 | 573 | 23 | 550 | 95 | 8 | 79.76 | 1.248 | 1.201 | 60000 | 0.4837 | 19.87 | 1.1853 | 0.1508 |
| 35-40 | 35 | 40 | 35 | 40 | 4.94 | 6.77 | 2.94 | 0.57 | 2.35 | 18.35 | 16.93 | 2412 | 19 | 2393 | 472 | 7 | 436.68 | 1.250 | 1.196 | 60000 | 0.4837 | 19.87 | 1.4960 | 0.0752 |
| 7-8 Duplicate | 7 | 8 | 7 | 8 | 4.94 | 6.15 | 1.95 | 0.37 | 0.37 | 2.41 | 2.23 | 2184 | 24 | 2160 | 2741 | 8 | 2704.24 | 1.209 | 1.123 | 60000 | 0.4919 | 19.86 | 10.8435 | 0.2102 |
| 30-35 Duplicate | 30 | 35 | 30 | 35 | 4.94 | 7.00 | 3.25 | 0.63 | 3.17 | 15.50 | 13.92 | 2004 | 17 | 987 | 466 | 6 | 433.57 | 1.264 | 1.197 | 60000 | 0.4919 | 19.86 | 1.2564 | 0.0928 |

**Core 22**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | 1 | 2 | 0 | 2 | 4.94 | 5.73 | 1.29 | 0.23 | 0.45 | 0.45 | 0.35 | 2680.5 | 22.00 | 2658 | 4846 | 23 | 4787.98 | 1.236 | 1.096 | 60000 | 0.4831 | 19.87 | 16.1070 | 0.2347 |
| 2-3 | 2 | 3 | 2 | 3 | 4.94 | 5.81 | 1.43 | 0.26 | 0.26 | 0.72 | 0.59 | 1892 | 8 | 884 | 3553 | 8 | 3520.18 | 1.248 | 1.122 | 60000 | 0.4831 | 19.87 | 16.3110 | 0.2765 |
| 3-4 | 3 | 4 | 3 | 4 | 4.94 | 5.80 | 1.41 | 0.26 | 0.26 | 0.98 | 0.85 | 2125 | 25 | 2100 | 3862 | 8 | 3826.34 | 1.231 | 1.105 | 60000 | 0.4831 | 19.87 | 16.1636 | 0.2626 |
| 4-5 | 4 | 5 | 4 | 5 | 4.94 | 5.81 | 1.43 | 0.26 | 0.26 | 1.24 | 1.11 | 2201 | 21 | 2180 | 4393 | 7 | 4357.11 | 1.372 | 1.233 | 60000 | 0.4919 | 19.86 | 15.6344 | 0.2411 |
| 5-6 | 5 | 6 | 5 | 6 | 4.94 | 5.83 | 1.44 | 0.26 | 0.26 | 1.50 | 1.37 | 1814 | 16 | 815 | 3419 | 7 | 3388.09 | 1.235 | 1.110 | 60000 | 0.4831 | 19.87 | 15.4752 | 0.2946 |
| 6-7 | 6 | 7 | 6 | 7 | 4.94 | 5.93 | 1.62 | 0.30 | 0.30 | 1.80 | 1.65 | 2100 | 17 | 3083 | 3774 | 6 | 3740.56 | 1.253 | 1.143 | 60000 | 0.4831 | 19.87 | 15.3903 | 0.2530 |
| 7-8 | 7 | 8 | 7 | 8 | 4.94 | 5.99 | 1.68 | 0.31 | 0.31 | 2.11 | 1.96 | 1201 | 21 | 1180 | 2091 | 7 | 2068.46 | 1.245 | 1.135 | 60000 | 0.4831 | 19.87 | 15.0782 | 0.3336 |
| 8-9 | 8 | 9 | 8 | 9 | 4.94 | 5.92 | 1.59 | 0.29 | 0.29 | 2.40 | 2.26 | 2057 | 17 | 3040 | 3642 | 6 | 3609.13 | 1.277 | 1.085 | 60000 | 0.4831 | 19.87 | 15.9722 | 0.2673 |
| 9-10 | 9 | 10 | 9 | 10 | 4.94 | 5.99 | 1.68 | 0.31 | 0.31 | 2.71 | 2.55 | 1961 | 23 | 938 | 3333 | 6 | 3299.47 | 1.271 | 1.163 | 60000 | 0.4831 | 19.87 | 14.3487 | 0.2514 |
| 10-12 | 10 | 12 | 10 | 12 | 4.94 | 5.97 | 1.67 | 0.31 | 0.62 | 3.32 | 3.02 | 2173 | 17 | 2156 | 3992 | 6 | 3957.43 | 1.381 | 1.269 | 60000 | 0.4919 | 19.86 | 14.1318 | 0.2256 |
| 12-14 | 12 | 14 | 12 | 14 | 4.94 | 5.98 | 1.68 | 0.31 | 0.63 | 3.95 | 3.64 | 1719 | 17 | 1742 | 2758 | 6 | 2728.06 | 1.223 | 1.120 | 60000 | 0.4831 | 19.87 | 13.7002 | 0.2635 |
| 14-16 | 14 | 16 | 14 | 16 | 4.94 | 5.99 | 1.69 | 0.31 | 0.63 | 4.58 | 4.27 | 2186 | 21 | 2165 | 3680 | 7 | 3621.65 | 1.248 | 1.143 | 60000 | 0.4831 | 19.87 | 13.1244 | 0.2194 |
| 16-18 | 16 | 18 | 16 | 18 | 4.94 | 6.00 | 1.71 | 0.32 | 0.95 | 5.53 | 4.90 | 1619 | 17 | 1602 | 2159 | 6 | 2131.64 | 1.249 | 1.145 | 60000 | 0.4831 | 19.87 | 11.2403 | 0.2454 |
| 18-20 | 18 | 23 | 18 | 23 | 4.94 | 5.94 | 1.51 | 0.30 | 1.4667 | 6.7034 | 5.96 | 2298 | 22 | 2276 | 2370 | 23 | 2317.92 | 1.221 | 1.113 | 60000 | 0.4831 | 19.87 | 8.9622 | 0.1892 |
| 20-25 | 23 | 28 | 23 | 28 | 4.94 | 5.99 | 1.68 | 0.31 | 1.5251 | 8.2286 | 7.47 | 1903 | 8 | 1895 | 1614 | 8 | 1581.04 | 1.234 | 1.118 | 60000 | 0.4831 | 19.87 | 7.3139 | 0.1861 |
| 25-30 | 28 | 33 | 28 | 33 | 4.94 | 6.02 | 1.74 | 0.32 | 1.6165 | 9.8451 | 9.04 | 2415 | 25 | 2390 | 1824 | 8 | 1784.52 | 1.268 | 1.163 | 60000 | 0.4831 | 19.87 | 6.1834 | 0.1483 |
| 30-35 | 33 | 38 | 33 | 38 | 4.94 | 5.94 | 1.66 | 0.31 | 1.5368 | 11.3819 | 10.61 | 2010 | 23 | 987 | 1294 | 8 | 1258.83 | 1.235 | 1.130 | 60000 | 0.4831 | 19.87 | 5.4804 | 0.1576 |
| 35-40 | 38 | 43 | 38 | 43 | 4.94 | 6.02 | 1.74 | 0.32 | 1.6179 | 13.0998 | 12.18 | 1968 | 19 | 1949 | 1074 | 7 | 962.33 | 1.214 | 1.115 | 60000 | 0.4831 | 19.87 | 4.4723 | 0.1448 |
| 43-50 | 43 | 48 | 43 | 48 | 4.94 | 6.03 | 1.73 | 0.32 | 1.7094 | 14.8091 | 13.80 | 2261 | 25 | 2236 | 1060 | 8 | 1024.42 | 1.262 | 1.158 | 60000 | 0.4831 | 19.87 | 3.9583 | 0.1230 |
| 50-55 | 48 | 53 | 48 | 53 | 4.94 | 6.04 | 1.75 | 0.33 | 1.8258 | 16.6347 | 15.61 | 1729 | 21 | 1708 | 373 | 8 | 338.24 | 1.251 | 1.150 | 60000 | 0.4831 | 19.87 | 3.7934 | 0.1266 |
| 8-9 Duplicate | 8 | 9 | 8 | 9 | 4.94 | 5.92 | 1.59 | 0.29 | 0.29 | 2.40 | 2.26 | 2132 | 8 | 2124 | 3749 | 8 | 3713.02 | 1.236 | 1.102 | 60000 | 0.4831 | 19.87 | 15.5166 | 0.2595 |
| 25-30 Duplicate | 23.00 | 28.00 | 23.00 | 28.00 | 4.94 | 5.99 | 1.68 | 0.31 | 1.5165 | 8.8401 | 8.04 | 1709 | 25 | 884 | 1472 | 8 | 1441.62 | 1.225 | 1.137 | 60000 | 0.4831 | 19.87 | 7.3800 | 0.1969 |

Table 3. Activity of radium in subsections of sediment cores. Error represents 1 standard deviation.

| Core Identification | Sample Interval (cm) | Ra-226 dpm/g | Ra-226 pCi/g | Error +/- (dpm/ g dry wt.) |
|---|---|---|---|---|
| GVRD-1 | 14-46 | 0.74 | 0.33 | 0.012 |
| GVRD-1 | 25-30 | 0.66 | 0.30 | 0.011 |
| GVRD-1 | 40-45 | 0.63 | 0.29 | 0.011 |
| GVRD-2 | 14-16 | 0.76 | 0.35 | 0.012 |
| GVRD-2 | 25-30 | 0.92 | 0.42 | 0.014 |
| GVRD-2 | 40-45 | 0.94 | 0.42 | 0.014 |
| GVRD-3 | 14-16 | 0.63 | 0.28 | 0.011 |
| GVRD-3 | 25-30 | 0.46 | 0.21 | 0.010 |
| GVRD-3 | 40-45 | 0.55 | 0.25 | 0.011 |
| GVRD-4 | 14-16 | 2.18 | 0.99 | 0.022 |
| GVRD-4 | 20-25 | 0.86 | 0.39 | 0.014 |
| GVRD-4 | 30-35 | 2.25 | 1.02 | 0.023 |
| GVRD-5 | 147-16 | 0.99 | 0.45 | 0.015 |
| GVRD-5 | 25-30 | 0.41 | 0.18 | 0.009 |
| GVRD-5 | 45-50 | 1.17 | 0.53 | 0.016 |
| GVRD-6 | 14-16 | 0.50 | 0.23 | 0.009 |
| GVRD-6 | 25-30 | 0.62 | 0.28 | 0.011 |
| GVRD-6 | 40-45 | 0.61 | 0.27 | 0.013 |
| GVRD-7 | 14-16 | 0.50 | 0.010 | 0.010 |
| GVRD-7 | 20-25 | 0.48 | 0.010 | 0.010 |
| GVRD-7 | 40-44 | 1.06 | 0.017 | 0.017 |
| GVRD-8 | 8-9 | 0.61 | 0.27 | 0.010 |
| GVRD-8 | 14-16 | 0.66 | 0.30 | 0.010 |
| GVRD-8 | 25-30 | 0.70 | 0.32 | 0.010 |
| GVRD-9 | 8-9 | 1.26 | 0.57 | 0.010 |
| GVRD-9 | 14-16 | 1.22 | 0.55 | 0.010 |
| GVRD-9 | 25-30 | 1.19 | 0.54 | 0.010 |
| GVRD-10 | 8-9 | 0.70 | 0.32 | 0.010 |
| GVRD-10 | 14-16 | 0.65 | 0.29 | 0.010 |
| GVRD-10 | 25-30 | 0.69 | 0.31 | 0.010 |
| GVRD-11 | 8-9 | 0.86 | 0.39 | 0.010 |
| GVRD-11 | 14-16 | 0.88 | 0.40 | 0.010 |
| GVRD-11 | 25-30 | 0.77 | 0.35 | 0.010 |
| GVRD-12 | 8-9 | 1.35 | 0.61 | 0.010 |
| GVRD-12 | 14-16 | 1.38 | 0.62 | 0.010 |
| GVRD-12 | 25-30 | 1.29 | 0.59 | 0.010 |
| GVRD-13 | 8-9 | 1.34 | 0.61 | 0.010 |
| GVRD-13 | 14-16 | 1.28 | 0.58 | 0.010 |
| GVRD-13 | 25-30 | 1.69 | 0.76 | 0.010 |
| GVRD-14 | 8-9 | 0.57 | 0.26 | 0.010 |
| GVRD-14 | 14-16 | 0.60 | 0.27 | 0.010 |
| GVRD-14 | 25-30 | 0.69 | 0.31 | 0.010 |
| GVRD-15 | 8-9 | 0.49 | 0.22 | 0.010 |
| GVRD-15 | 14-16 | 0.52 | 0.24 | 0.010 |
| GVRD-15 | 25-30 | 0.48 | 0.22 | 0.010 |

Table 3. Continued.

| Core Identification | Sample Interval (cm) | Ra-226 dpm/g | Ra-226 pCi/g | Error +/- (dpm/g) |
|---|---|---|---|---|
| GVRD-16 | 5-6 | 0.45 | 0.20 | 0.01 |
| GVRD-16 | 10-12 | 0.47 | 0.21 | 0.01 |
| GVRD-16 | 18-20 | 0.47 | 0.21 | 0.01 |
| GVRD-17 | 9-10 | 2.30 | 1.04 | 0.02 |
| GVRD-17 | 20-25 | 2.10 | 0.95 | 0.02 |
| GVRD-17 | 40-45 | 2.09 | 0.95 | 0.02 |
| GVRD-18 | 6-7 | 0.30 | 0.14 | 0.01 |
| GVRD-18 | 12-13 | 0.44 | 0.20 | 0.01 |
| GVRD-18 | 17-18 | 0.36 | 0.16 | 0.01 |
| GVRD-19 | 4-5 | 0.58 | 0.26 | 0.01 |
| GVRD-19 | 9-10 | 0.53 | 0.24 | 0.01 |
| GVRD-19 | 16-18 | 0.57 | 0.26 | 0.01 |
| GVRD-20 | 8-9 | 0.81 | 0.37 | 0.01 |
| GVRD-20 | 14-16 | 0.89 | 0.40 | 0.01 |
| GVRD-20 | 25-30 | 0.92 | 0.42 | 0.01 |
| GVRD-21 | 9-10 | 0.48 | 0.22 | 0.01 |
| GVRD-21 | 18-20 | 0.47 | 0.21 | 0.01 |
| GVRD-21 | 30-35 | 0.48 | 0.22 | 0.01 |
| GVRD-22 | 10-12 | 1.39 | 0.63 | 0.01 |
| GVRD-22 | 25-30 | 1.35 | 0.61 | 0.01 |
| GVRD-22 | 45-50 | 1.41 | 0.94 | 0.01 |

Table 4: Results of the AVS, metals and lead isotope analysis. NM cells indicate that this variable was not measured in that interval.

| Sample Depth (cm) | AVS (µmol/g d.w.) | Al (%) | Fe (%) | Mg (%) | Ca (%) | Ba (µg/g) | Mn (µg/g) | Cd (µg/g) | Mo (µg/g) | U (µg/g) | Re (ng/g) | As (µg/g) | Ag (µg/g) | Co (µg/g) | Cr (µg/g) | Ni (µg/g) | Cu (µg/g) | Zn (µg/g) | Pb (µg/g) | Pb 208/207 | Pb 206/207 | Pb 206/204 | Hg (ng/g) | K (%) | Na (%) | Ti (µg/g) | B (µg/g) | P (µg/g) | Porosity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.16 | 4.56 | 3.40 | 1.70 | 1.61 | 281.11 | 787.21 | 0.30 | 1.42 | 2.26 | 10.30 | 8.14 | 0.32 | 17.22 | 56.38 | 37.98 | 51.75 | 115.54 | 18.68 | 1.19 | 0.48 | 18.35 | 149.50 | 1.02 | 5.42 | 2647.83 | 5864.70 | 955.00 | 0.95 |
| 1-2 | 0.83 | 4.77 | 3.50 | 1.70 | 1.66 | 291.67 | 604.18 | 0.33 | 1.33 | 2.52 | 11.52 | 8.29 | 0.32 | 17.74 | 41.03 | 38.41 | 55.18 | 120.24 | 19.23 | 1.17 | 0.48 | 18.31 | 134.15 | 1.04 | 5.08 | 2777.72 | 5950.63 | 852.89 | 0.94 |
| 2-3 | 1.35 | 4.88 | 3.57 | 1.68 | 1.68 | 297.57 | 568.29 | 0.33 | 1.44 | 2.63 | 11.92 | 8.51 | 0.34 | 18.15 | 50.29 | 38.78 | 54.96 | 123.13 | 19.66 | 1.17 | 0.48 | 18.32 | 140.60 | 1.05 | 4.73 | 2857.68 | 5839.32 | 790.44 | 0.93 |
| 3-4 | 0.40 | 4.86 | 3.55 | 1.66 | 1.68 | 294.96 | 540.15 | 0.35 | 1.47 | 2.72 | 12.64 | 8.71 | 0.34 | 18.23 | 58.03 | 39.23 | 55.51 | 122.49 | 19.89 | 1.18 | 0.48 | 18.36 | 142.30 | 1.04 | 4.73 | 2831.25 | 5894.18 | 800.00 | 0.93 |
| 4-5 | 1.13 | 4.95 | 3.60 | 1.65 | 1.79 | 302.00 | 543.88 | 0.34 | 1.55 | 2.66 | 12.14 | 8.93 | 0.48 | 18.16 | 56.59 | 38.60 | 57.80 | 123.77 | 19.79 | 1.17 | 0.48 | 18.30 | 149.45 | 1.05 | 4.54 | 2843.09 | 6024.04 | 837.99 | 0.93 |
| 5-6 | 1.19 | 4.98 | 3.68 | 1.70 | 1.75 | 302.35 | 552.60 | 0.32 | 1.58 | 2.65 | 12.27 | 8.80 | 0.33 | 17.98 | 57.76 | 38.65 | 57.40 | 125.85 | 19.63 | 1.17 | 0.48 | 18.36 | 146.26 | 1.07 | 4.63 | 2917.67 | 6304.09 | 826.15 | 0.92 |
| 6-7 | 0.62 | 5.12 | 3.74 | 1.71 | 1.74 | 312.61 | 566.65 | 0.34 | 1.79 | 2.83 | 13.36 | 9.58 | 0.37 | 18.51 | 63.34 | 40.15 | 58.18 | 129.06 | 20.53 | 1.18 | 0.48 | 18.32 | 163.47 | 1.06 | 4.52 | 2965.30 | 6555.41 | 776.63 | 0.92 |
| 7-8 | 1.88 | 5.07 | 3.71 | 1.65 | 1.71 | 307.74 | 555.32 | 0.33 | 2.17 | 2.82 | 14.07 | 9.91 | 0.34 | 19.00 | 63.67 | 42.04 | 59.21 | 129.01 | 20.79 | 1.18 | 0.48 | 18.45 | 161.40 | 1.06 | 4.38 | 2904.78 | 7022.57 | 776.31 | 0.92 |
| 8-9 | 0.18 | 5.10 | 3.77 | 1.66 | 1.72 | 310.85 | 563.50 | 0.35 | 1.91 | 2.65 | 14.18 | 10.16 | 0.35 | 18.92 | 59.61 | 39.96 | 60.63 | 131.41 | 21.05 | 1.18 | 0.48 | 18.39 | 150.24 | 1.06 | 4.34 | 2944.61 | 7388.53 | 796.62 | 0.92 |
| 9-10 | 1.00 | 5.17 | 3.87 | 1.69 | 1.78 | 313.64 | 572.30 | 0.36 | 2.24 | 2.78 | 14.87 | 10.29 | 0.35 | 19.26 | 53.19 | 40.52 | 63.56 | 133.54 | 21.42 | 1.17 | 0.48 | 18.26 | 154.79 | 1.08 | 4.31 | 3023.10 | 7912.30 | 781.50 | 0.92 |
| 10-12 | 0.42 | 5.13 | 3.83 | 1.66 | 1.73 | 312.52 | 559.67 | 0.33 | 3.14 | 2.87 | 15.42 | 10.79 | 0.34 | 19.42 | 51.26 | 40.90 | 64.90 | 136.75 | 21.87 | 1.18 | 0.48 | 18.24 | 152.66 | 1.06 | 4.10 | 3017.32 | 8331.84 | 732.69 | 0.91 |
| 12-14 | 0.78 | 5.18 | 3.86 | 1.68 | 1.73 | 319.72 | 566.83 | 0.29 | 3.98 | 3.00 | 15.20 | 11.38 | 0.31 | 19.15 | 59.20 | 41.24 | 62.27 | 139.31 | 20.16 | 1.17 | 0.48 | 18.31 | 161.08 | 1.09 | 4.06 | 3014.43 | 9007.91 | 682.97 | 0.90 |
| 14-16 | 0.29 | 5.16 | 3.83 | 1.66 | 1.72 | 319.36 | 549.83 | 0.32 | 3.97 | 3.13 | 16.88 | 11.33 | 0.29 | 19.18 | 50.76 | 40.52 | 55.75 | 134.93 | 19.04 | 1.17 | 0.48 | 18.26 | 146.07 | 1.08 | 3.91 | 3025.82 | 9048.54 | 662.94 | 0.90 |
| 16-18 | 0.36 | 5.30 | 3.90 | 1.67 | 1.71 | 328.24 | 549.91 | 0.33 | 4.39 | 3.44 | 16.52 | 11.14 | 0.26 | 19.08 | 54.24 | 41.15 | 52.99 | 130.72 | 17.62 | 1.18 | 0.48 | 18.44 | 143.95 | 1.10 | 4.02 | 3082.11 | 9584.70 | 667.24 | 0.90 |
| 18-20 | 0.20 | 5.21 | 3.83 | 1.63 | 1.68 | 325.27 | 536.74 | 0.33 | 5.32 | 3.62 | 18.95 | 11.15 | 0.23 | 19.00 | 56.73 | 42.27 | 43.34 | 117.99 | 15.29 | 1.18 | 0.48 | 18.48 | 132.51 | 1.08 | 3.86 | 3004.36 | 9520.36 | 626.99 | 0.90 |
| 20-25 | 0.41 | 5.39 | 3.95 | 1.66 | 1.68 | 337.37 | 550.93 | 0.35 | 6.38 | 3.89 | 19.46 | 11.02 | 0.20 | 19.21 | 65.18 | 44.01 | 39.46 | 109.08 | 12.38 | 1.19 | 0.48 | 18.43 | 104.95 | 1.11 | 3.88 | 3080.70 | 9991.93 | 638.08 | 0.89 |
| 25-30 | 1.30 | 5.21 | 3.85 | 1.64 | 1.64 | 329.86 | 574.28 | 0.39 | 7.49 | 3.94 | 20.24 | 10.06 | 0.20 | 18.74 | 61.89 | 42.69 | 35.01 | 100.06 | 9.07 | 1.20 | 0.48 | 18.77 | 90.20 | 1.11 | 3.72 | 3059.82 | 9858.65 | 616.21 | 0.89 |
| 30-35 | 0.70 | 5.39 | 3.87 | 1.67 | 1.68 | 335.30 | 572.40 | 0.42 | 7.01 | 3.65 | 19.09 | 9.94 | 0.18 | 18.42 | 55.35 | 42.54 | 34.82 | 99.47 | 7.80 | 1.22 | 0.49 | 19.05 | 68.74 | 1.12 | 3.83 | 3063.06 | 9637.17 | 606.76 | 0.89 |
| 35-40 | 0.28 | 5.06 | 3.67 | 1.57 | 1.59 | 321.81 | 550.07 | 0.43 | 7.21 | 3.65 | 20.09 | 9.64 | 0.17 | 18.20 | 50.87 | 41.88 | 34.77 | 99.41 | 7.61 | 1.22 | 0.49 | 19.00 | 77.09 | 1.06 | 3.65 | 2948.55 | 9388.29 | 601.84 | 0.89 |
| 40-45 | 0.29 | 5.06 | 3.71 | 1.58 | 1.61 | 321.92 | 555.63 | 0.49 | 5.86 | 3.57 | 20.19 | 10.81 | 0.18 | 18.34 | 53.50 | 42.68 | 32.94 | 96.55 | 7.80 | 1.22 | 0.49 | 19.04 | 73.65 | 1.07 | 3.71 | 2962.55 | 9629.41 | 569.64 | 0.89 |
| 50-55 | 1.55 | 5.01 | 3.64 | 1.53 | 1.59 | 316.97 | 582.76 | 0.52 | 8.15 | 3.86 | 19.49 | 10.34 | 0.18 | 18.45 | 57.76 | 41.86 | 34.87 | 97.14 | 8.23 | 1.21 | 0.49 | 18.97 | 72.20 | 1.02 | 3.53 | 2953.71 | 9899.69 | 598.74 | 0.88 |
| **Core 2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.1 | 7.38 | 4.82 | 1.83 | 1.72 | 571.98 | 555.34 | 0.19 | 1.65 | 1.74 | 4.69 | 10.77 | 0.42 | 16.35 | 88.71 | 52.31 | 78.05 | 138.84 | 31.58 | 1.18 | 0.48 | 18.41 | 161.99 | 1.68 | 3.10 | 3522.46 | 2255.56 | 973.11 | 0.83 |
| 1-2 | 0.0 | 7.51 | 4.86 | 1.84 | 1.75 | 585.14 | 556.71 | 0.19 | 2.37 | 1.96 | 4.50 | 9.89 | 0.51 | 16.89 | 91.71 | 53.81 | 80.27 | 140.54 | 33.47 | 1.18 | 0.48 | 18.39 | 176.00 | 1.73 | 2.85 | 3613.31 | 2087.69 | 914.13 | 0.81 |
| 2-3 | 0.9 | 7.58 | 4.80 | 1.82 | 1.74 | 583.33 | 545.50 | 0.20 | 2.28 | 2.13 | 4.60 | 8.95 | 0.49 | 17.05 | 86.26 | 54.11 | 79.56 | 140.85 | 35.46 | 1.18 | 0.48 | 18.33 | 193.58 | 1.73 | 2.77 | 3634.85 | 2064.49 | 819.58 | 0.79 |
| 3-4 | 1.1 | 7.55 | 4.81 | 1.81 | 1.71 | 587.10 | 544.65 | 0.21 | 2.10 | 2.17 | 4.47 | 9.07 | 0.52 | 17.24 | 88.48 | 55.11 | 86.96 | 140.65 | 36.12 | 1.17 | 0.48 | 18.24 | 185.72 | 1.70 | 2.66 | 3617.56 | 2022.41 | 855.66 | 0.78 |
| 4-5 | 0.1 | 7.36 | 4.62 | 1.73 | 1.71 | 574.14 | 531.29 | 0.22 | 1.94 | 2.16 | 4.87 | 8.61 | 0.49 | 17.01 | 88.61 | 53.48 | 85.70 | 137.74 | 36.37 | 1.18 | 0.48 | 18.39 | 192.59 | 1.66 | 2.53 | 3460.03 | 1973.35 | 617.20 | 0.78 |
| 5-6 | 0.4 | 7.55 | 4.77 | 1.77 | 1.71 | 587.51 | 536.75 | 0.21 | 2.21 | 2.18 | 4.87 | 8.29 | 0.49 | 17.00 | 75.60 | 53.46 | 87.79 | 139.74 | 36.41 | 1.17 | 0.48 | 18.35 | 235.09 | 1.69 | 2.62 | 3592.23 | 2064.22 | 799.17 | 0.78 |
| 6-7 | 0.5 | 7.52 | 4.69 | 1.74 | 1.67 | 581.18 | 535.21 | 0.21 | 2.11 | 2.18 | 4.68 | 9.23 | 0.49 | 17.25 | 86.51 | 54.18 | 85.14 | 140.03 | 37.29 | 1.18 | 0.48 | 18.29 | 198.30 | 1.65 | 2.52 | 3498.62 | 2051.69 | 821.97 | 0.77 |
| 7-8 | 0.5 | 7.64 | 4.76 | 1.75 | 1.79 | 591.19 | 542.86 | 0.20 | 2.57 | 2.17 | 4.60 | 9.52 | 0.54 | 17.75 | 93.44 | 56.47 | 86.53 | 141.62 | 38.05 | 1.18 | 0.48 | 18.38 | 197.81 | 1.67 | 2.37 | 3548.89 | 1954.22 | 821.18 | 0.77 |
| 8-9 | 1.0 | 7.66 | 4.75 | 1.83 | 1.69 | 592.19 | 525.43 | 0.21 | 2.01 | 2.08 | 4.31 | 9.83 | 0.51 | 17.40 | 86.89 | 55.62 | 81.15 | 133.88 | 37.29 | 1.17 | 0.48 | 18.33 | 204.12 | 1.78 | 2.89 | 3634.90 | 2060.93 | 836.18 | 0.77 |
| 9-10 | 0.0 | 7.72 | 4.80 | 1.86 | 1.72 | 597.35 | 530.26 | 0.21 | 2.28 | 2.05 | 4.62 | 9.90 | 0.52 | 17.25 | 89.02 | 55.50 | 84.15 | 136.72 | 37.03 | 1.18 | 0.48 | 18.35 | 187.91 | 1.80 | 2.71 | 3597.43 | 2141.50 | 847.62 | 0.76 |
| 10-12 | 0.5 | 7.65 | 4.73 | 1.79 | 1.67 | 592.80 | 521.26 | 0.20 | 2.31 | 2.02 | 5.11 | 9.72 | 0.51 | 17.13 | 79.72 | 55.15 | 85.43 | 133.32 | 37.33 | 1.18 | 0.48 | 18.44 | 187.81 | 1.78 | 2.57 | 3584.26 | 2100.00 | 845.44 | 0.75 |
| 12-14 | 0.8 | 7.68 | 4.65 | 1.76 | 1.67 | 602.25 | 510.96 | 0.20 | 2.53 | 2.22 | 4.11 | 9.77 | 0.58 | 17.12 | 69.97 | 54.87 | 86.77 | 134.85 | 40.07 | 1.17 | 0.48 | 18.36 | 219.98 | 1.76 | 2.57 | 3522.25 | 2257.57 | 783.82 | 0.74 |
| 14-16 | 2.1 | 7.85 | 4.81 | 1.82 | 1.80 | 605.62 | 535.12 | 0.23 | 2.72 | 2.32 | 4.42 | 11.48 | 0.51 | 18.14 | 79.04 | 58.27 | 80.88 | 143.23 | 44.51 | 1.17 | 0.48 | 18.25 | 237.37 | 1.79 | 2.56 | 3662.24 | 2721.01 | 736.06 | 0.73 |
| 16-18 | 2.2 | 7.64 | 4.70 | 1.80 | 1.70 | 596.55 | 522.74 | 0.28 | 2.74 | 2.33 | 4.06 | 11.50 | 0.51 | 18.07 | 73.96 | 57.94 | 71.11 | 144.36 | 42.40 | 1.17 | 0.48 | 18.28 | 306.12 | 1.77 | 2.46 | 3517.80 | 2848.20 | 740.00 | 0.73 |
| 18-20 | 4.2 | 7.70 | 4.77 | 1.81 | 1.68 | 600.54 | 525.27 | 0.27 | 2.68 | 2.41 | 3.97 | 11.23 | 0.74 | 18.53 | 80.97 | 58.54 | 58.46 | 140.82 | 40.81 | 1.18 | 0.48 | 18.34 | 251.00 | 1.78 | 2.48 | 3579.46 | 3045.95 | 718.74 | 0.73 |
| 20-25 | 3.9 | 7.89 | 4.89 | 1.89 | 1.70 | 617.45 | 547.10 | 0.23 | 2.68 | 2.53 | 4.24 | 11.70 | 0.37 | 18.66 | 88.45 | 58.01 | 53.42 | 138.41 | 33.99 | 1.18 | 0.48 | 18.37 | 215.49 | 1.88 | 2.52 | 3617.58 | 3038.45 | 729.73 | 0.74 |
| 25-30 | 5.9 | 7.83 | 4.74 | 1.82 | 1.61 | 603.20 | 528.45 | 0.21 | 2.40 | 2.51 | 3.92 | 12.07 | 0.20 | 18.74 | 85.54 | 55.61 | 44.81 | 125.30 | 25.51 | 1.18 | 0.48 | 18.51 | 195.20 | 1.86 | 2.45 | 3507.73 | 2751.86 | 716.20 | 0.75 |
| 30-35 | 0.8 | 8.06 | 5.01 | 1.93 | 1.73 | 629.86 | 560.54 | 0.20 | 2.23 | 2.46 | 3.86 | 10.97 | 0.16 | 19.48 | 87.32 | 57.39 | 41.08 | 117.97 | 22.25 | 1.19 | 0.49 | 18.65 | 167.60 | 1.92 | 2.66 | 3723.64 | 2827.45 | 753.15 | 0.75 |
| 40-45 | 0.3 | 7.76 | 4.93 | 1.91 | 1.58 | 617.52 | 549.26 | 0.23 | 1.89 | 2.19 | 3.22 | 9.17 | 0.12 | 19.81 | 82.52 | 60.98 | 37.31 | 111.59 | 16.57 | 1.21 | 0.49 | 18.90 | 125.12 | 1.87 | 2.52 | 3640.49 | 2436.43 | 776.77 | 0.74 |
| **Core 3** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 1.5 | 6.82 | 4.05 | 1.67 | 1.96 | 582.69 | 485.45 | 0.36 | 3.45 | 1.41 | 2.69 | 6.18 | 0.44 | 20.97 | 95.08 | 47.97 | 40.65 | 99.39 | 9.05 | 1.21 | 0.48 | 19.17 | 71.89 | NM | NM | NM | 2780.73 | NM | 0.72 |
| 1-2 | 0.54 | 7.35 | 4.30 | 1.76 | 2.01 | 610.98 | 513.89 | 0.36 | 3.02 | 1.43 | 2.76 | 6.03 | 0.46 | 21.11 | 103.12 | 50.27 | 45.10 | 105.56 | 13.64 | 1.21 | 0.48 | 18.99 | 58.23 | NM | NM | NM | 2762.40 | NM | 0.70 |
| 2-3 | 9.2 | 7.49 | 4.41 | 1.78 | 2.06 | 623.21 | 522.44 | 0.34 | 4.68 | 1.45 | 2.68 | 5.68 | 0.46 | 21.15 | 91.40 | 53.08 | 46.13 | 107.16 | 11.92 | 1.22 | 0.49 | 19.07 | 68.20 | NM | NM | NM | 2767.62 | NM | 0.68 |
| 3-4 | 26 | 7.13 | 4.19 | 1.67 | 2.00 | 591.94 | 490.86 | 0.35 | 4.76 | 1.47 | 2.90 | 6.08 | 0.45 | 21.05 | 98.06 | 49.60 | 43.69 | 101.37 | 9.95 | 1.21 | 0.49 | 19.00 | 64.10 | NM | NM | NM | 3251.09 | NM | 0.66 |
| 4-5 | 25 | 7.04 | 4.11 | 1.65 | 2.27 | 579.55 | 488.20 | 0.38 | 3.62 | 1.67 | 2.95 | 4.92 | 0.56 | 20.12 | 85.85 | 47.92 | 42.13 | 99.75 | 11.73 | 1.21 | 0.48 | 19.09 | 79.97 | NM | NM | NM | 3090.69 | NM | 0.64 |
| 5-6 | 32 | 7.18 | 4.20 | 1.69 | 2.03 | 589.56 | 494.50 | 0.33 | 3.59 | 1.56 | 2.89 | 4.60 | 0.47 | 22.41 | 99.39 | 48.41 | 42.51 | 103.27 | 10.05 | 1.21 | 0.48 | 19.12 | 96.51 | NM | NM | NM | 3583.78 | NM | 0.64 |
| 6-7 | 23 | 7.07 | 4.19 | 1.68 | 1.99 | 586.68 | 490.11 | 0.33 | 3.58 | 1.71 | 3.17 | 5.29 | 0.49 | 21.60 | 79.25 | 50.50 | 42.77 | 98.71 | 10.44 | 1.21 | 0.48 | 18.89 | 76.77 | NM | NM | NM | 3634.16 | NM | 0.63 |
| 7-8 | 26 | 6.77 | 3.98 | 1.59 | 2.04 | 575.21 | 481.92 | 0.34 | 3.89 | 1.95 | 3.47 | 5.77 | 0.49 | 20.33 | 78.30 | 47.15 | 37.49 | 94.88 | 11.39 | 1.21 | 0.48 | 19.05 | 88.98 | NM | NM | NM | 3671.19 | NM | 0.60 |
| 8-9 | 33 | 6.94 | 3.96 | 1.58 | 1.99 | 584.60 | 482.40 | 0.34 | 3.93 | 1.91 | 3.43 | 6.73 | 0.48 | 20.48 | 95.39 | 47.55 | 35.91 | 93.70 | 11.22 | 1.22 | 0.49 | 19.06 | 74.83 | NM | NM | NM | 3530.83 | NM | 0.57 |
| 9-10 | 27 | 6.99 | 3.98 | 1.56 | 1.92 | 593.97 | 487.95 | 0.30 | 6.81 | 1.66 | 2.89 | 4.97 | 0.51 | 21.15 | 96.65 | 50.53 | 36.48 | 90.00 | 11.82 | 1.20 | 0.48 | 19.18 | 110.87 | NM | NM | NM | 3253.03 | NM | 0.54 |
| 10-12 | 25 | 6.53 | 3.73 | 1.48 | 1.81 | 551.27 | 458.27 | 0.23 | 5.05 | 1.54 | 2.66 | 5.61 | 0.39 | 19.78 | 93.70 | 44.05 | 33.24 | 86.55 | 9.26 | 1.21 | 0.48 | 18.87 | 196.36 | NM | NM | NM | 3056.73 | NM | 0.56 |
| 12-14 | 21 | 7.26 | 4.26 | 1.69 | 1.90 | 603.62 | 502.83 | 0.22 | 4.18 | 1.96 | 3.25 | 7.64 | 0.38 | 21.77 | 76.28 | 51.34 | 37.92 | 98.34 | 11.39 | 1.21 | 0.49 | 18.74 | 84.04 | NM | NM | NM | 2938.32 | NM | 0.58 |
| 14-16 | 17 | 8.02 | 4.84 | 1.89 | 1.99 | 660.29 | 560.22 | 0.14 | 4.47 | 1.63 | 2.53 | 7.64 | 0.31 | 23.50 | 99.35 | 57.39 | 42.11 | 114.93 | 13.84 | 1.20 | 0.48 | 18.97 | 85.39 | NM | NM | NM | 2762.84 | NM | 0.60 |
| 16-18 | 25 | 7.71 | 4.66 | 1.80 | 1.84 | 628.98 | 528.97 | 0.18 | 3.65 | 2.07 | 3.32 | 6.87 | 0.37 | 22.58 | 110.53 | 53.72 | 39.56 | 108.43 | 15.71 | 1.20 | 0.48 | 19.00 | 78.26 | NM | NM | NM | 2810.84 | NM | 0.62 |
| 18-20 | 23 | 7.56 | 4.72 | 1.81 | 1.85 | 635.15 | 538.51 | 0.17 | 4.91 | 1.94 | 3.04 | 2.95 | 0.32 | 22.44 | 81.64 | 55.27 | 40.12 | 109.97 | 16.69 | 1.20 | 0.48 | 19.00 | 89.12 | NM | NM | NM | 2853.63 | NM | 0.63 |
| 20-25 | 25 | 7.72 | 4.72 | 1.81 | 1.86 | 640.21 | 542.78 | 0.18 | 4.92 | 2.13 | 3.25 | 7.53 | 0.32 | 23.02 | 106.58 | 56.17 | 41.12 | 116.26 | 16.07 | 1.20 | 0.48 | 18.90 | 81.74 | NM | NM | NM | 2645.49 | NM | 0.63 |
| 25-30 | 22 | 7.86 | 4.84 | 1.85 | 1.90 | 658.38 | 557.70 | 0.16 | 4.62 | 1.84 | 2.52 | 8.76 | 0.29 | 23.55 | 93.07 | 56.30 | 41.51 | 114.61 | 15.84 | 1.20 | 0.48 | 19.01 | 83.42 | NM | NM | NM | 2659.41 | NM | 0.62 |
| 30-35 | 25 | 7.59 | 4.68 | 1.77 | 1.86 | 636.68 | 545.09 | 0.17 | 3.33 | 1.82 | 2.59 | 9.56 | 0.33 | 22.88 | 95.70 | 54.58 | 40.39 | 109.45 | 15.20 | 1.20 | 0.48 | 18.86 | 80.84 | NM | NM | NM | 2469.30 | NM | 0.60 |

Table 4: Continued.

| Sample Depth (cm) | AVS (umol/g dry) | Al (%) | Fe (%) | Mg (%) | Ca (%) | Ba (ug/g) | Mn (ug/g) | Cd (ug/g) | Mo (ug/g) | U (ug/g) | Rb (ug/g) | As (ug/g) | Ag (ug/g) | Co (ug/g) | Cr (ug/g) | Ni (ug/g) | Cu (ug/g) | Zn (ug/g) | Pb (ug/g) | Pb 208/207 | Pb 208/206 | Pb 206/204 | Hg (ng/g) | K (%) | Na (%) | Tl (ug/g) | B (ug/g) | P (ug/g) | Porosity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35-40 | 20 | 7.51 | 4.61 | 1.76 | 1.88 | 617.36 | 535.40 | 0.16 | 3.24 | 1.95 | 2.81 | 10.28 | 0.28 | 23.68 | 104.49 | 55.34 | 39.15 | 109.42 | 14.38 | 1.19 | 0.48 | 18.96 | 97.94 | NM | NM | NM | 2795.27 | NM | 0.60 |
| 40-45 | 19 | 7.69 | 4.72 | 1.79 | 1.92 | 644.36 | 551.25 | 0.03 | 3.69 | 2.08 | 3.00 | 5.66 | 0.11 | 23.56 | 99.07 | 56.91 | 39.17 | 109.14 | 15.47 | 1.20 | 0.48 | 18.88 | 87.15 | NM | NM | NM | 2519.52 | NM | 0.60 |

**Core 4**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0.05 | 7.18 | 4.36 | 1.73 | 2.27 | 612.11 | 588.01 | 0.10 | 3.68 | 1.21 | 1.76 | 10.15 | 0.18 | 21.04 | 71.95 | 49.26 | 31.34 | 103.44 | 10.30 | 1.23 | 0.49 | 19.27 | 49.10 | NM | NM | NM | 1331.84 | | 0.65 |
| 1-2 | 0.12 | 6.81 | 4.08 | 1.62 | 1.98 | 578.57 | 517.26 | 0.37 | 6.65 | 1.22 | 2.17 | 10.05 | 1.00 | 20.09 | 74.91 | 52.15 | 33.24 | 334.50 | 10.79 | 1.21 | 0.48 | 19.19 | 53.43 | NM | NM | NM | 1595.51 | | 0.65 |
| 2-3 | 0.66 | 9.04 | 4.65 | 1.83 | 1.58 | 1035.51 | 322.22 | 0.30 | 6.68 | 2.74 | 4.02 | 18.69 | 0.36 | 19.58 | 119.72 | 50.74 | 31.75 | 347.44 | 17.80 | 1.23 | 0.48 | 19.52 | 57.07 | NM | NM | NM | 1518.27 | | 0.64 |
| 3-4 | 1.5 | 7.23 | 4.37 | 1.73 | 1.99 | 611.99 | 540.32 | 0.13 | 5.29 | 1.24 | 1.90 | 6.72 | 0.16 | 21.74 | 67.81 | 51.07 | 33.05 | 93.27 | 9.58 | 1.22 | 0.48 | 19.30 | 61.83 | NM | NM | NM | 1456.69 | | 0.63 |
| 4-5 | 3.3 | 7.43 | 4.52 | 1.76 | 2.05 | 628.57 | 558.05 | 0.14 | 4.33 | 1.38 | 2.41 | 5.91 | 0.16 | 23.36 | 96.61 | 51.77 | 33.74 | 105.84 | 11.10 | 1.22 | 0.48 | 19.35 | 60.05 | NM | NM | NM | 1500.65 | | 0.63 |
| 5-6 | 4.2 | 6.04 | 3.72 | 1.46 | 1.69 | 543.85 | 460.34 | 0.14 | 2.82 | 1.36 | 2.26 | 10.14 | 0.16 | 19.43 | 62.52 | 44.36 | 26.16 | 80.13 | 7.46 | 1.23 | 0.49 | 19.20 | 61.00 | NM | NM | NM | 1718.69 | | 0.62 |
| 6-7 | 4.3 | 7.47 | 4.56 | 1.78 | 2.05 | 634.22 | 551.80 | 0.15 | 4.60 | 1.51 | 2.39 | 0.87 | 0.17 | 21.37 | 106.41 | 52.19 | 34.31 | 94.63 | 8.14 | 1.22 | 0.48 | 19.33 | 75.32 | NM | NM | NM | 1705.79 | | 0.61 |
| 7-8 | 4.3 | 7.39 | 4.49 | 1.76 | 2.09 | 617.43 | 552.05 | 0.13 | 3.86 | 1.32 | 2.20 | 6.87 | 0.16 | 21.89 | 113.30 | 52.50 | 34.33 | 96.13 | 12.45 | 1.22 | 0.49 | 19.20 | 62.46 | NM | NM | NM | 1758.78 | | 0.60 |
| 8-9 | 6.2 | 7.08 | 4.30 | 1.69 | 2.02 | 595.47 | 532.63 | 0.16 | 4.56 | 1.44 | 2.48 | 4.56 | 0.16 | 21.37 | 106.44 | 49.44 | 32.20 | 90.77 | 9.69 | 1.22 | 0.49 | 19.20 | 62.52 | NM | NM | NM | 1743.45 | | 0.59 |
| 9-10 | 4.3 | 7.45 | 4.49 | 1.76 | 2.10 | 621.72 | 554.97 | 0.12 | 4.79 | 1.35 | 2.36 | 1.55 | 0.15 | 22.67 | 106.18 | 52.39 | 32.39 | 110.68 | 10.56 | 1.22 | 0.49 | 19.29 | 69.05 | NM | NM | NM | 1777.53 | | 0.54 |
| 10-12 | 6.5 | 7.09 | 4.29 | 1.69 | 2.02 | 589.95 | 536.51 | 0.16 | 5.09 | 1.55 | 2.61 | 7.92 | 0.18 | 20.50 | 105.18 | 50.33 | 31.53 | 89.63 | 8.77 | 1.22 | 0.49 | 19.16 | 62.51 | NM | NM | NM | 1789.10 | | 0.58 |
| 12-14 | 7.2 | 7.26 | 4.42 | 1.74 | 2.11 | 603.19 | 554.30 | 0.13 | 3.32 | 1.41 | 2.38 | 3.17 | 0.17 | 21.05 | 104.40 | 51.48 | 32.68 | 102.09 | 10.82 | 1.22 | 0.49 | 19.14 | 66.64 | NM | NM | NM | 1846.66 | | 0.58 |
| 14-16 | 8.5 | 7.53 | 4.58 | 1.81 | 2.26 | 628.24 | 569.53 | 0.13 | 3.85 | 1.40 | 2.11 | 4.99 | 0.18 | 22.94 | 100.88 | 53.86 | 34.63 | 97.89 | 10.26 | 1.22 | 0.49 | 19.00 | 69.41 | NM | NM | NM | 1900.78 | | 0.58 |
| 16-18 | 7.8 | 7.29 | 4.49 | 1.76 | 2.09 | 609.72 | 550.87 | 0.17 | 4.56 | 1.62 | 2.80 | 6.13 | 0.19 | 22.37 | 111.28 | 52.44 | 34.91 | 93.76 | 8.41 | 1.22 | 0.48 | 19.26 | 65.92 | NM | NM | NM | 1877.55 | | 0.57 |
| 18-20 | 10 | 7.18 | 4.45 | 1.72 | 2.07 | 600.36 | 543.02 | 0.15 | 4.83 | 1.52 | 2.32 | 5.25 | 0.18 | 22.14 | 106.30 | 52.09 | 33.64 | 92.11 | 9.37 | 1.22 | 0.48 | 19.36 | 67.66 | NM | NM | NM | 1959.82 | | 0.57 |
| 20-25 | 7.0 | 7.55 | 4.61 | 1.78 | 2.14 | 622.19 | 565.74 | 0.15 | 4.45 | 1.53 | 2.41 | 2.87 | 0.18 | 23.27 | 90.05 | 53.14 | 35.16 | 97.67 | 10.34 | 1.22 | 0.49 | 19.17 | 78.32 | NM | NM | NM | 2022.58 | | 0.55 |
| 25-30 | 11 | 7.36 | 4.44 | 1.76 | 2.09 | 614.41 | 545.43 | 0.16 | 4.40 | 1.52 | 2.50 | 8.23 | 0.18 | 23.28 | 103.47 | 53.93 | 36.05 | 94.24 | 10.36 | 1.22 | 0.49 | 19.12 | 70.48 | NM | NM | NM | 2086.92 | | 0.57 |
| 30-35 | 16 | 7.28 | 4.40 | 1.75 | 2.10 | 595.46 | 546.78 | 0.15 | 3.93 | 1.47 | 2.38 | 6.03 | 0.19 | 21.04 | 93.00 | 51.90 | 33.81 | 92.44 | 9.96 | 1.21 | 0.48 | 19.28 | 64.14 | NM | NM | NM | — | | 0.57 |

**Core 5**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0.0 | 7.36 | 4.73 | 1.84 | 1.61 | 518.92 | 1558.29 | 0.10 | 5.42 | 1.24 | 3.85 | 12.89 | 0.15 | 21.24 | 86.24 | 45.73 | 31.76 | 116.07 | 8.62 | 1.21 | 0.48 | 18.99 | 28.92 | NM | NM | NM | 3233.34 | | 0.86 |
| 1-2 | 0.0 | 7.97 | 5.09 | 1.95 | 1.71 | 563.48 | 784.10 | 0.12 | 5.03 | 1.27 | 3.16 | 11.17 | 0.15 | 24.23 | 93.68 | 48.49 | 36.48 | 122.85 | 14.44 | 1.20 | 0.48 | 18.98 | 32.42 | NM | NM | NM | 2886.98 | | 0.84 |
| 2-3 | 0.4 | 7.34 | 4.68 | 1.77 | 1.60 | 517.46 | 671.20 | 0.11 | 3.93 | 1.19 | 2.82 | 11.08 | 0.11 | 21.04 | 87.67 | 45.87 | 32.96 | 113.48 | 12.20 | 1.20 | 0.48 | 18.93 | 38.61 | NM | NM | NM | 2810.54 | | 0.83 |
| 3-4 | 0.4 | 7.80 | 5.07 | 1.89 | 1.69 | 545.15 | 707.09 | 0.13 | 4.68 | 1.30 | 3.09 | 10.22 | 0.12 | 22.85 | 96.51 | 48.11 | 36.62 | 121.21 | 13.48 | 1.21 | 0.48 | 19.03 | 39.26 | NM | NM | NM | 2836.00 | | 0.82 |
| 4-5 | 1.4 | 7.37 | 4.70 | 1.75 | 1.60 | 521.11 | 663.56 | 0.10 | 5.11 | 1.08 | 2.61 | 8.74 | 0.11 | 21.93 | 93.35 | 45.74 | 33.90 | 113.60 | 13.59 | 1.21 | 0.48 | 18.94 | 36.53 | NM | NM | NM | 2706.31 | | 0.81 |
| 5-6 | 2.8 | 7.14 | 4.54 | 1.70 | 1.57 | 515.00 | 655.68 | 0.10 | 3.25 | 1.08 | 2.51 | 8.13 | 0.11 | 20.74 | 81.32 | 44.32 | 33.34 | 112.08 | 11.52 | 1.20 | 0.48 | 18.81 | 41.69 | NM | NM | NM | 2600.31 | | 0.81 |
| 6-7 | 5.6 | 7.66 | 4.92 | 1.81 | 1.48 | 550.57 | 712.41 | 0.11 | 3.84 | 1.22 | 2.56 | 8.58 | 0.12 | 23.47 | 77.78 | 47.25 | 36.05 | 118.66 | 12.27 | 1.20 | 0.48 | 18.95 | 41.91 | NM | NM | NM | 2479.30 | | 0.80 |
| 7-8 | 12.8 | 8.09 | 5.15 | 1.90 | 1.72 | 575.03 | 765.00 | 0.12 | 4.41 | 1.20 | 2.56 | 6.62 | 0.12 | 23.25 | 96.38 | 50.32 | 37.23 | 124.48 | 13.19 | 1.20 | 0.48 | 19.02 | 45.06 | NM | NM | NM | 2623.88 | | 0.79 |
| 8-9 | 15.7 | 7.79 | 4.97 | 1.83 | 1.72 | 560.66 | 719.98 | 0.11 | 4.65 | 1.22 | 2.61 | 8.72 | 0.13 | 22.24 | 99.14 | 47.68 | 36.34 | 118.49 | 16.26 | 1.21 | 0.49 | 18.71 | 43.39 | NM | NM | NM | 2581.07 | | 0.79 |
| 9-10 | 11.0 | 7.80 | 4.92 | 1.81 | 1.74 | 543.93 | 714.09 | 0.12 | 4.56 | 1.24 | 2.52 | 9.12 | 0.12 | 21.96 | 78.01 | 48.20 | 37.02 | 119.48 | 13.26 | 1.20 | 0.48 | 18.99 | 46.32 | NM | NM | NM | 2613.03 | | 0.78 |
| 10-12 | 29.1 | 9.54 | 4.30 | 1.50 | 4.27 | 1021.46 | 862.08 | 58.62 | 5.96 | 2.82 | 4.83 | 132.28 | 4.97 | 18.73 | 75.51 | 28.53 | 158.11 | 498.17 | 1609.05 | 1.12 | 0.44 | 16.54 | 49.06 | NM | NM | NM | 589.81 | | 0.77 |
| 12-14 | 21.3 | 7.59 | 4.54 | 1.73 | 1.61 | 541.03 | 667.28 | 0.19 | 24.51 | 1.56 | 2.93 | 37.76 | 0.15 | 25.36 | 97.32 | 49.16 | 37.47 | 122.97 | 17.95 | 1.20 | 0.48 | 18.70 | 48.32 | NM | NM | NM | 2984.68 | | 0.78 |
| 14-16 | 27.6 | 7.59 | 4.88 | 1.77 | 1.61 | 539.03 | 645.75 | 0.14 | 8.01 | 1.43 | 2.65 | 12.73 | 0.14 | 23.18 | 78.68 | 47.21 | 36.05 | 119.59 | 16.82 | 1.20 | 0.48 | 18.67 | 49.56 | NM | NM | NM | 3188.68 | | 0.78 |
| 16-18 | 39.8 | 7.67 | 4.57 | 1.77 | 1.61 | 542.21 | 635.03 | 0.13 | 6.71 | 1.40 | 2.62 | 12.41 | 0.14 | 21.60 | 65.24 | 48.16 | 36.78 | 121.72 | 14.45 | 1.20 | 0.48 | 18.91 | 52.42 | NM | NM | NM | 3284.98 | | 0.78 |
| 18-20 | 32.7 | 7.65 | 4.86 | 1.77 | 1.58 | 546.12 | 635.55 | 0.14 | 5.06 | 1.47 | 2.82 | 5.83 | 0.15 | 21.63 | 67.04 | 48.17 | 36.82 | 126.56 | 15.19 | 1.21 | 0.48 | 18.67 | 52.39 | NM | NM | NM | 3016.62 | | 0.78 |
| 20-25 | 37.7 | 7.59 | 4.79 | 1.76 | 1.61 | 547.45 | 595.89 | 0.17 | 5.13 | 1.68 | 2.80 | 9.26 | 0.23 | 22.23 | 93.62 | 47.16 | 36.76 | 123.54 | 14.82 | 1.20 | 0.48 | 18.73 | 52.01 | NM | NM | NM | 3537.66 | | 0.77 |
| 25-30 | 31.8 | 7.56 | 4.71 | 1.73 | 1.58 | 544.82 | 584.94 | 0.13 | 4.65 | 1.32 | 2.62 | 7.70 | 0.16 | 22.53 | 59.62 | 46.37 | 36.78 | 135.91 | 17.59 | 1.20 | 0.48 | 18.66 | 54.70 | NM | NM | NM | 3633.50 | | 0.77 |
| 30-35 | 33.3 | 7.49 | 4.67 | 1.81 | 1.66 | 557.43 | 620.15 | 0.14 | 6.55 | 1.63 | 2.88 | 7.90 | 0.13 | 22.05 | 80.44 | 49.75 | 38.28 | 132.13 | 18.77 | 1.19 | 0.47 | 18.99 | 56.04 | NM | NM | NM | 3344.29 | | 0.78 |
| 35-40 | 21.0 | 7.28 | 4.78 | 1.78 | 1.57 | 552.29 | 581.08 | 0.17 | 5.34 | 1.68 | 2.96 | 4.04 | 0.13 | 23.36 | 80.03 | 48.45 | 37.64 | 170.01 | 17.45 | 1.20 | 0.48 | 18.75 | 63.61 | NM | NM | NM | 3636.05 | | 0.78 |
| 40-45 | 39.6 | 7.78 | 5.03 | 1.85 | 1.68 | 570.31 | 607.08 | 0.16 | 5.19 | 1.63 | 2.84 | 7.07 | 0.17 | 24.80 | 63.45 | 51.48 | 40.52 | 151.99 | 18.31 | 1.19 | 0.48 | 18.73 | 69.12 | NM | NM | NM | 3696.59 | | 0.77 |
| 45-50 | 28.8 | 7.74 | 4.94 | 1.83 | 1.69 | 568.12 | 590.83 | 0.14 | 5.15 | 1.62 | 2.89 | 10.15 | 0.16 | 22.07 | 55.33 | 51.21 | 39.43 | 134.49 | 16.04 | 1.19 | 0.48 | 18.83 | 81.62 | NM | NM | NM | 3402.88 | | 0.76 |

**Core 6**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 0.08 | 6.84 | 3.86 | 1.46 | 1.68 | 425.59 | 483.80 | 0.22 | 0.75 | 1.56 | 2.20 | 7.46 | 0.11 | 11.51 | 57.70 | 31.19 | 12.63 | 85.65 | 12.15 | 1.20 | 0.48 | 18.68 | 55.33 | 1.38 | 1.91 | 3950.57 | 2802.66 | 784.22 | 0.84 |
| 1-2 | 0.23 | 7.06 | 4.00 | 1.44 | 1.67 | 439.81 | 468.92 | 0.22 | 0.76 | 1.46 | 2.47 | 7.30 | 0.10 | 11.62 | 49.88 | 31.90 | 13.06 | 88.35 | 12.43 | 1.19 | 0.48 | 18.68 | 75.28 | 1.41 | 3.43 | 3959.92 | 2473.06 | 794.55 | 0.80 |
| 2-3 | 0.11 | 7.17 | 4.05 | 1.43 | 1.65 | 444.53 | 443.56 | 0.23 | 0.72 | 1.48 | 2.80 | 7.55 | 0.10 | 11.50 | 40.24 | 31.56 | 12.53 | 88.52 | 12.31 | 1.20 | 0.48 | 18.64 | 56.23 | 1.41 | 3.33 | 4123.23 | 2334.25 | 781.33 | 0.78 |
| 3-4 | 0.10 | 7.40 | 4.14 | 1.44 | 1.90 | 463.88 | 439.60 | 0.24 | 0.92 | 1.53 | 2.57 | 7.39 | 0.10 | 11.92 | 54.59 | 32.74 | 13.20 | 90.70 | 12.74 | 1.19 | 0.48 | 18.73 | 65.86 | 1.44 | 3.22 | 4251.91 | 2261.84 | 804.53 | 0.77 |
| 4-5 | 0.59 | 7.36 | 4.11 | 1.42 | 1.90 | 460.00 | 430.62 | 0.24 | 0.75 | 1.50 | 2.81 | 6.72 | 0.10 | 11.85 | 55.62 | 32.45 | 13.27 | 91.47 | 12.75 | 1.20 | 0.48 | 18.72 | 66.34 | 1.45 | 3.02 | 4189.69 | 2178.38 | 764.31 | 0.74 |
| 5-6 | 0.54 | 7.39 | 4.13 | 1.40 | 1.89 | 465.29 | 425.30 | 0.24 | 0.74 | 1.69 | 2.71 | 6.78 | 0.11 | 11.84 | 57.45 | 32.36 | 13.79 | 91.56 | 12.75 | 1.19 | 0.48 | 18.67 | 67.18 | 1.44 | 2.98 | 4275.89 | 2187.84 | 727.85 | 0.71 |
| 6-7 | 2.72 | 7.23 | 4.06 | 1.37 | 1.85 | 452.76 | 416.09 | 0.23 | 0.73 | 1.51 | 2.84 | 6.42 | 0.13 | 11.51 | 55.87 | 31.67 | 13.72 | 88.94 | 12.73 | 1.19 | 0.48 | 18.64 | 68.10 | 1.41 | 2.91 | 4153.35 | 2114.00 | 706.17 | 0.72 |
| 7-8 | 1.70 | 7.38 | 4.14 | 1.41 | 1.90 | 460.44 | 432.28 | 0.24 | 0.78 | 1.48 | 2.60 | 7.06 | 0.11 | 11.91 | 58.44 | 32.45 | 13.72 | 91.89 | 12.90 | 1.20 | 0.48 | 18.76 | 63.99 | 1.45 | 2.96 | 4161.00 | 2164.96 | 735.94 | 0.70 |
| 8-9 | 2.71 | 7.38 | 4.21 | 1.42 | 1.85 | 459.18 | 430.40 | 0.25 | 0.79 | 1.63 | 2.72 | 7.16 | 0.11 | 12.25 | 61.06 | 33.27 | 13.78 | 93.59 | 13.14 | 1.20 | 0.49 | 18.73 | 75.10 | 1.43 | 2.93 | 4234.48 | 2214.34 | 705.75 | 0.70 |
| 9-10 | 0.56 | 7.36 | 4.20 | 1.41 | 1.87 | 459.43 | 430.78 | 0.25 | 0.78 | 1.55 | 2.82 | 6.92 | 0.11 | 12.08 | 56.50 | 33.38 | 13.93 | 91.33 | 13.22 | 1.20 | 0.48 | 18.57 | 91.08 | 1.44 | 2.90 | 4257.37 | 2212.06 | 716.93 | 0.69 |
| 10-12 | 4.42 | 7.44 | 4.20 | 1.42 | 1.90 | 463.85 | 434.11 | 0.25 | 0.84 | 1.61 | 3.08 | 7.15 | 0.11 | 12.01 | 57.89 | 33.50 | 13.95 | 94.55 | 12.98 | 1.20 | 0.48 | 18.68 | 80.57 | 1.46 | 2.87 | 4292.57 | 2240.27 | 716.04 | 0.69 |
| 12-14 | 8.60 | 7.25 | 4.09 | 1.36 | 1.58 | 450.80 | 418.26 | 0.26 | 0.85 | 1.62 | 3.07 | 7.04 | 0.11 | 12.23 | 56.31 | 33.61 | 13.24 | 90.78 | 13.35 | 1.19 | 0.49 | 18.74 | 69.81 | 1.43 | 2.74 | 4156.53 | 2268.00 | 665.95 | 0.68 |
| 14-16 | 0.17 | 7.35 | 4.11 | 1.39 | 1.91 | 463.78 | 416.54 | 0.26 | 0.88 | 1.56 | 3.16 | 6.93 | 0.13 | 12.07 | 60.60 | 32.58 | 13.67 | 90.67 | 12.83 | 1.20 | 0.49 | 18.79 | 84.03 | 1.43 | 2.77 | 4217.76 | 2274.30 | 681.08 | 0.67 |
| 16-18 | 7.26 | 7.31 | 4.11 | 1.40 | 1.88 | 458.01 | 415.03 | 0.24 | 0.86 | 1.63 | 2.72 | 6.67 | 0.11 | 12.05 | 56.25 | 32.57 | 13.75 | 91.25 | 12.81 | 1.20 | 0.48 | 18.80 | 64.54 | 1.44 | 2.77 | 4161.26 | 2323.08 | 667.87 | 0.66 |
| 18-20 | 4.32 | 7.29 | 4.13 | 1.40 | 1.86 | 459.94 | 418.63 | 0.23 | 0.98 | 1.56 | 2.75 | 6.85 | 0.11 | 12.17 | 65.92 | 33.42 | 13.70 | 91.59 | 13.10 | 1.20 | 0.49 | 18.85 | 70.37 | 1.44 | 2.79 | 4129.80 | 2533.27 | 659.82 | 0.68 |
| 20-25 | 16.72 | 7.25 | 4.10 | 1.40 | 1.87 | 457.36 | 419.79 | 0.25 | 0.90 | 1.59 | 2.86 | 6.88 | 0.12 | 12.18 | 61.75 | 33.30 | 14.11 | 92.25 | 13.29 | 1.20 | 0.49 | 18.86 | 71.15 | 1.45 | 2.71 | 4119.39 | 2540.28 | 671.75 | 0.67 |

Table 4: Continued.

| Sample Depth (cm) | AVS (µmol/g d.w.) | Al (%) | Fe (%) | Mg (%) | Ca (%) | Be (µg/g) | Mn (µg/g) | Cd (ng/g) | Mo (ng/g) | U (ng/g) | Re (ng/g) | As (ng/g) | Ag (ng/g) | Co (ng/g) | Cr (ng/g) | Ni (ng/g) | Cu (ng/g) | Zn (ng/g) | Pb (ng/g) | Pb 208/207 | Pb 209/206 | Pb 206/204 | Hg (ng/g) | K (%) | Na (%) | Ti (µg/g) | S (µg/g) | P (µg/g) | Porosity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25-30 | 9.72 | 7.23 | 4.03 | 1.36 | 1.90 | 453.59 | 413.65 | 0.24 | 0.96 | 1.62 | 2.91 | 6.54 | 0.12 | 11.93 | 60.32 | 32.45 | 13.30 | 90.44 | 13.27 | 1.20 | 0.48 | 18.66 | 72.27 | 1.41 | 2.71 | 4174.14 | 2610.24 | 670.44 | 0.66 |
| 30-35 | 29.40 | 7.50 | 4.21 | 1.44 | 1.93 | 467.43 | 428.12 | 0.23 | 0.85 | 1.44 | 2.58 | 6.84 | 0.12 | 11.84 | 61.34 | 32.88 | 14.58 | 94.85 | 13.40 | 1.19 | 0.48 | 18.66 | 74.70 | 1.48 | 2.87 | 4155.78 | 2914.86 | 671.30 | 0.68 |
| 40-45 | 20.20 | 7.33 | 4.04 | 1.37 | 1.95 | 457.61 | 412.40 | 0.25 | 0.77 | 1.55 | 2.74 | 6.50 | 0.11 | 11.57 | 57.39 | 30.71 | 11.90 | 89.53 | 13.51 | 1.20 | 0.48 | 18.67 | 61.53 | 1.44 | 2.83 | 4153.28 | 2749.22 | 633.51 | 0.65 |
| **Core 7** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | | 4.68 | 2.83 | 1.06 | 1.27 | 369.83 | 438.89 | 0.13 | 0.93 | 0.99 | 2.43 | 5.92 | 0.10 | 10.09 | 68.05 | 35.50 | 9.52 | 60.52 | 8.12 | 1.20 | 0.48 | 18.84 | 62.09 | 0.96 | 1.85 | 2743.23 | 1441.58 | 548.19 | 0.73 |
| 1-2 | | 5.26 | 3.20 | 1.17 | 1.45 | 407.26 | 471.59 | 0.13 | 1.73 | 1.21 | 3.26 | 6.24 | 0.09 | 11.05 | 63.62 | 40.05 | 11.57 | 69.00 | 8.92 | 1.20 | 0.48 | 18.78 | 35.62 | 1.07 | 2.18 | 3166.65 | 1637.49 | 618.43 | 0.69 |
| 2-3 | | 5.46 | 3.25 | 1.20 | 1.50 | 424.50 | 426.35 | 0.18 | 0.82 | 1.25 | 2.63 | 5.71 | 0.11 | 11.65 | 57.23 | 38.60 | 10.94 | 72.35 | 9.13 | 1.20 | 0.49 | 18.87 | 58.90 | 1.11 | 2.17 | 3187.79 | 1641.68 | 584.51 | 0.61 |
| 3-4 | | 5.99 | 3.48 | 1.31 | 1.59 | 468.84 | 450.42 | 0.20 | 1.22 | 1.69 | 3.12 | 6.90 | 0.10 | 13.05 | 70.53 | 44.96 | 13.39 | 78.14 | 10.32 | 1.21 | 0.49 | 18.89 | 42.21 | 1.24 | 2.27 | 3527.34 | 2080.27 | 568.09 | 0.59 |
| 4-5 | | 4.90 | 3.14 | 1.04 | 1.30 | 384.05 | 361.48 | 0.16 | 1.17 | 1.33 | 2.92 | 6.75 | 0.09 | 10.16 | 57.29 | 34.10 | 12.57 | 64.08 | 8.44 | 1.20 | 0.48 | 18.84 | 63.96 | 1.00 | 1.84 | 2773.18 | 1850.84 | 502.76 | 0.62 |
| 5-6 | | 5.08 | 2.93 | 1.12 | 1.32 | 402.10 | 357.33 | 0.15 | 1.75 | 1.45 | 3.13 | 6.24 | 0.08 | 10.93 | 62.30 | 41.18 | 11.89 | 65.19 | 8.63 | 1.21 | 0.49 | 18.89 | 66.51 | 1.06 | 1.88 | 2925.84 | 1984.88 | 511.85 | 0.62 |
| 6-7 | | 4.85 | 2.82 | 1.05 | 1.24 | 381.99 | 362.91 | 0.10 | 2.69 | 1.26 | 2.86 | 6.17 | 0.08 | 10.77 | 72.78 | 44.32 | 11.32 | 62.07 | 7.89 | 1.21 | 0.49 | 18.95 | 70.12 | 1.01 | 1.79 | 2679.21 | 1926.80 | 440.42 | 0.61 |
| 7-8 | | 4.52 | 2.66 | 0.98 | 1.22 | 355.43 | 336.62 | 0.13 | 1.28 | 1.20 | 2.44 | 5.40 | 0.08 | 9.86 | 59.72 | 35.09 | 10.95 | 57.86 | 7.46 | 1.21 | 0.49 | 18.90 | 240.64 | 0.94 | 1.62 | 2556.07 | 1832.79 | 451.27 | 0.59 |
| 8-9 | | 3.80 | 2.22 | 0.84 | 1.00 | 317.51 | 278.75 | 0.11 | 1.14 | 1.11 | 2.24 | 4.37 | 0.06 | 7.84 | 50.00 | 28.83 | 7.75 | 46.46 | 5.74 | 1.22 | 0.49 | 18.97 | 60.91 | 0.78 | 1.34 | 2200.96 | 1957.01 | 350.36 | 0.55 |
| 9-10 | | 4.00 | 2.35 | 0.87 | 1.05 | 332.57 | 289.23 | 0.11 | 1.76 | 1.23 | 2.61 | 5.04 | 0.07 | 9.39 | 49.38 | 31.10 | 8.43 | 49.24 | 6.02 | 1.21 | 0.49 | 18.89 | 62.60 | 0.83 | 1.38 | 2342.86 | 2433.94 | 352.95 | 0.53 |
| 10-12 | | 6.00 | 3.49 | 1.28 | 1.49 | 472.17 | 425.44 | 0.14 | 3.60 | 2.03 | 5.34 | 7.42 | 0.08 | 12.62 | 69.76 | 49.25 | 13.29 | 75.96 | 9.57 | 1.21 | 0.49 | 18.89 | 70.67 | 1.25 | 2.03 | 3445.63 | 4282.91 | 501.95 | 0.57 |
| 12-14 | | 4.19 | 2.54 | 0.92 | 1.04 | 333.13 | 303.18 | 0.13 | 2.60 | 1.75 | 4.97 | 6.19 | 0.07 | 8.70 | 40.57 | 30.07 | 11.25 | 54.44 | 6.86 | 1.21 | 0.49 | 19.00 | 67.05 | 0.88 | 1.44 | 2451.29 | 4243.21 | 355.90 | 0.59 |
| 14-16 | | 4.80 | 2.97 | 1.07 | 1.15 | 355.29 | 337.63 | 0.14 | 4.84 | 2.04 | 7.22 | 8.40 | 0.10 | 10.57 | 37.86 | 42.33 | 11.98 | 66.84 | 8.27 | 1.21 | 0.49 | 18.92 | 89.45 | 1.00 | 1.67 | 2848.47 | 5330.99 | 436.94 | 0.60 |
| 16-18 | | 5.43 | 3.28 | 1.14 | 1.31 | 406.56 | 389.59 | 0.13 | 5.65 | 2.28 | 6.47 | 8.90 | 0.09 | 11.31 | 59.30 | 37.79 | 13.11 | 72.56 | 9.23 | 1.21 | 0.49 | 18.90 | 64.21 | 1.13 | 1.89 | 3152.11 | 5789.05 | 474.78 | 0.61 |
| 18-20 | | 6.09 | 3.68 | 1.36 | 1.50 | 460.35 | 490.27 | 0.11 | 5.71 | 2.02 | 5.60 | 8.94 | 0.09 | 13.75 | 71.43 | 49.11 | 15.25 | 80.53 | 10.32 | 1.21 | 0.49 | 19.00 | 84.15 | 1.26 | 2.12 | 3467.03 | 6741.36 | 516.58 | 0.62 |
| 20-25 | | 5.02 | 3.14 | 1.24 | 1.36 | 363.41 | 394.70 | 0.14 | 3.32 | 1.48 | 3.34 | 6.34 | 0.08 | 11.60 | 64.73 | 47.06 | 12.62 | 68.35 | 8.06 | 1.22 | 0.49 | 18.99 | 53.61 | 1.06 | 1.78 | 3009.81 | 5519.85 | 459.09 | 0.61 |
| 25-30 | | 5.03 | 3.16 | 1.27 | 1.50 | 365.37 | 375.33 | 0.16 | 2.38 | 1.51 | 2.83 | 5.98 | 0.08 | 11.35 | 50.42 | 42.01 | 14.63 | 69.89 | 8.07 | 1.22 | 0.49 | 19.05 | 59.44 | 1.08 | 1.72 | 3013.49 | 6207.03 | 464.40 | 0.67 |
| 30-35 | | 5.87 | 3.65 | 1.42 | 1.61 | 415.18 | 414.86 | 0.18 | 2.79 | 1.57 | 3.65 | 7.21 | 0.11 | 12.67 | 66.10 | 44.93 | 16.18 | 78.59 | 9.30 | 1.23 | 0.49 | 19.20 | 44.46 | 1.29 | 2.01 | 3478.12 | 7445.56 | 517.90 | 0.66 |
| 35-40 | | 3.35 | 2.13 | 0.83 | 1.08 | 239.21 | 233.81 | 0.12 | 1.39 | 1.00 | 2.08 | 4.45 | 0.21 | 6.98 | 36.36 | 23.59 | 8.39 | 45.54 | 5.11 | 1.22 | 0.49 | 19.17 | 47.74 | 0.73 | 1.18 | 2082.04 | 4347.25 | 307.18 | 0.68 |
| 40-44 | | 6.33 | 3.95 | 1.59 | 2.16 | 452.81 | 441.60 | 0.24 | 2.51 | 2.00 | 3.82 | 7.95 | 0.12 | 14.26 | 86.01 | 48.89 | 17.57 | 86.67 | 10.26 | 1.22 | 0.49 | 19.21 | 43.38 | 1.37 | 2.17 | 3761.93 | 8538.33 | 578.85 | 0.68 |

*core GVRD-7 samples were pre-dried prior to metals analysis, so porosity was determined using $^{210}$Pb analysis.

Table 5: Results of the carbon, nitrogen and $\delta^{13}C$ and $\delta^{15}N$ analysis on the sediment core samples.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}N$ vs air | $\delta^{13}Corg$ vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | |
| 0-1 | 0.515 | 4.113 | 0.029 | 4.084 | 7.925 | 6.393 | -21.091 |
| 1-2 | 0.502 | 4.099 | 0.039 | 4.060 | 8.090 | 6.775 | -21.390 |
| 2-3 | 0.494 | 4.045 | 0.041 | 4.005 | 8.114 | 6.369 | -21.327 |
| 3-4 | 0.494 | 4.013 | 0.032 | 3.981 | 8.054 | 6.565 | -21.211 |
| 4-5 | 0.478 | 3.953 | 0.040 | 3.913 | 8.193 | 6.165 | -21.463 |
| 5-6 | 0.477 | 3.959 | 0.026 | 3.933 | 8.251 | 6.355 | -21.206 |
| 6-7 | 0.472 | 3.949 | 0.043 | 3.905 | 8.271 | 6.465 | -21.526 |
| 7-8 | 0.463 | 3.879 | 0.034 | 3.845 | 8.299 | 6.109 | -21.389 |
| 8-9 | 0.457 | 3.848 | 0.036 | 3.811 | 8.348 | 6.220 | -21.335 |
| 9-10 | 0.457 | 3.898 | 0.032 | 3.867 | 8.460 | 6.359 | -21.423 |
| 10-12 | 0.445 | 3.827 | 0.037 | 3.790 | 8.521 | 6.373 | -21.336 |
| 12-14 | 0.436 | 3.736 | 0.031 | 3.704 | 8.505 | 6.411 | -21.160 |
| 14-16 | 0.438 | 3.710 | 0.041 | 3.669 | 8.375 | 6.059 | -21.144 |
| 16-18 | 0.442 | 3.694 | 0.041 | 3.653 | 8.273 | 6.568 | -20.883 |
| 18-20 | 0.449 | 3.626 | 0.035 | 3.591 | 8.002 | 6.242 | -20.709 |
| 20-25 | 0.443 | 3.539 | 0.034 | 3.504 | 7.918 | 6.382 | -20.466 |
| 25-30 | 0.442 | 3.425 | 0.029 | 3.396 | 7.676 | 6.617 | -20.467 |
| 30-35 | 0.421 | 3.291 | 0.018 | 3.273 | 7.778 | 6.798 | -20.471 |
| 35-40 | 0.425 | 3.246 | 0.034 | 3.212 | 7.560 | 6.660 | -20.330 |
| 40-45 | 0.430 | 3.345 | 0.025 | 3.320 | 7.715 | 6.772 | -20.361 |
| 45-50 | 0.429 | 3.353 | 0.039 | 3.313 | 7.731 | 6.769 | -20.225 |
| 50-55 | 0.432 | 3.318 | 0.035 | 3.283 | 7.606 | 6.770 | -20.006 |
| **Core 2** | | | | | | | |
| 0-1 | 0.158 | 1.677 | 0.090 | 1.587 | 10.023 | 4.680 | -23.667 |
| 1-2 | 0.138 | 1.604 | 0.110 | 1.494 | 10.806 | 4.693 | -24.035 |
| 2-3 | 0.140 | 1.555 | 0.092 | 1.463 | 10.431 | 4.337 | -24.079 |
| 3-4 | 0.135 | 1.560 | 0.107 | 1.453 | 10.743 | 4.661 | -23.877 |
| 4-5 | 0.133 | 1.556 | 0.115 | 1.441 | 10.861 | 4.690 | -24.222 |
| 5-6 | 0.138 | 1.639 | 0.114 | 1.525 | 11.020 | 4.442 | -24.119 |
| 6-7 | 0.137 | 1.587 | 0.094 | 1.492 | 10.859 | 4.839 | -23.940 |
| 7-8 | 0.134 | 1.596 | 0.110 | 1.487 | 11.104 | 4.532 | -23.961 |
| 8-9 | 0.138 | 1.560 | 0.091 | 1.469 | 10.672 | 4.345 | -23.932 |
| 9-10 | 0.136 | 1.570 | 0.109 | 1.461 | 10.770 | 4.448 | -24.078 |
| 10-12 | 0.130 | 1.558 | 0.085 | 1.473 | 11.339 | 4.480 | -24.200 |
| 12-14 | 0.125 | 1.533 | 0.117 | 1.416 | 11.323 | 4.385 | -24.076 |
| 14-16 | 0.111 | 1.434 | 0.085 | 1.350 | 12.103 | 4.247 | -24.173 |
| 16-18 | 0.108 | 1.389 | 0.115 | 1.275 | 11.820 | 4.279 | -24.209 |
| 18-20 | 0.115 | 1.484 | 0.095 | 1.389 | 12.107 | 4.400 | -24.110 |
| 20-25 | 0.111 | 1.394 | 0.115 | 1.280 | 11.560 | 4.274 | -24.167 |
| 25-30 | 0.106 | 1.216 | 0.081 | 1.135 | 10.723 | 4.377 | -23.648 |
| 30-35 | 0.099 | 1.112 | 0.094 | 1.018 | 10.322 | 4.738 | -23.782 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| 35-40 | 0.094 | 0.978 | 0.096 | 0.882 | 9.396 | 4.227 | -23.551 |
| 40-45 | 0.085 | 0.861 | 0.095 | 0.766 | 9.004 | 4.552 | -23.379 |
| **Core 3** | | | | | | | |
| 0-1 | 0.119 | 1.258 | 0.177 | 1.081 | 9.111 | 2.104 | -24.438 |
| 1-2 | 0.122 | 1.330 | 0.115 | 1.215 | 9.954 | 2.450 | -24.429 |
| 2-3 | 0.123 | 1.352 | 0.208 | 1.144 | 9.297 | 2.817 | -24.191 |
| 3-4 | 0.118 | 1.284 | 0.145 | 1.139 | 9.691 | 2.630 | -24.379 |
| 4-5 | 0.115 | 1.220 | 0.180 | 1.039 | 9.056 | 2.008 | -24.317 |
| 5-6 | 0.111 | 1.330 | 0.210 | 1.120 | 10.122 | 2.672 | -24.332 |
| 6-7 | 0.111 | 1.146 | 0.143 | 1.002 | 9.043 | 2.810 | -24.649 |
| 7-8 | 0.098 | 1.286 | 0.145 | 1.140 | 11.630 | 2.608 | -24.571 |
| 8-9 | 0.090 | 0.926 | 0.122 | 0.804 | 8.984 | 2.761 | -24.508 |
| 9-10 | 0.080 | 0.948 | 0.127 | 0.821 | 10.229 | 2.738 | -24.496 |
| 10-12 | 0.091 | 1.098 | 0.140 | 0.958 | 10.557 | 3.044 | -24.522 |
| 12-14 | 0.086 | 0.983 | 0.134 | 0.849 | 9.888 | 3.364 | -24.612 |
| 14-16 | 0.098 | 1.070 | 0.162 | 0.908 | 9.255 | 3.838 | -24.560 |
| 16-18 | 0.101 | 1.111 | 0.134 | 0.977 | 9.639 | 3.907 | -24.429 |
| 18-20 | 0.099 | 1.084 | 0.116 | 0.968 | 9.786 | 3.955 | -24.365 |
| 20-25 | 0.093 | 1.060 | 0.128 | 0.931 | 10.021 | 3.978 | -24.618 |
| 25-30 | 0.090 | 1.003 | 0.127 | 0.876 | 9.691 | 3.855 | -24.432 |
| 30-35 | 0.088 | 0.978 | 0.133 | 0.846 | 9.613 | 3.580 | -24.573 |
| 35-40 | 0.085 | 0.988 | 0.147 | 0.841 | 9.876 | 3.559 | -24.553 |
| 40-45 | 0.079 | 0.959 | 0.136 | 0.822 | 10.393 | 3.691 | -24.543 |
| **Core 4** | | | | | | | |
| 0-1 | 0.085 | 1.071 | 0.182 | 0.889 | 10.504 | 3.724 | -24.934 |
| 1-2 | 0.092 | 1.133 | 0.201 | 0.932 | 10.108 | 3.420 | -24.725 |
| 2-3 | 0.091 | 1.190 | 0.159 | 1.031 | 11.281 | 3.568 | -24.527 |
| 3-4 | 0.094 | 1.178 | 0.179 | 0.999 | 10.672 | 3.574 | -24.726 |
| 4-5 | 0.085 | 1.135 | 0.162 | 0.973 | 11.505 | 3.340 | -24.596 |
| 5-6 | 0.093 | 1.159 | 0.167 | 0.992 | 10.681 | 3.467 | -24.684 |
| 6-7 | 0.087 | 1.152 | 0.154 | 0.998 | 11.529 | 3.666 | -24.466 |
| 7-8 | 0.085 | 1.121 | 0.172 | 0.950 | 11.228 | 3.375 | -24.756 |
| 8-9 | 0.086 | 1.154 | 0.151 | 1.002 | 11.667 | 3.665 | -24.595 |
| 9-10 | 0.085 | 1.125 | 0.192 | 0.933 | 11.011 | 3.448 | -24.630 |
| 10-12 | 0.087 | 1.114 | 0.162 | 0.952 | 10.898 | 3.367 | -24.756 |
| 12-14 | 0.084 | 1.069 | 0.181 | 0.888 | 10.588 | 3.307 | -24.655 |
| 14-16 | 0.084 | 1.078 | 0.165 | 0.914 | 10.816 | 3.365 | -24.649 |
| 16-18 | 0.081 | 1.107 | 0.144 | 0.963 | 11.841 | 3.342 | -24.588 |
| 18-20 | 0.081 | 1.079 | 0.152 | 0.927 | 11.473 | 3.343 | -24.699 |
| 20-25 | 0.081 | 1.112 | 0.185 | 0.928 | 11.385 | 3.434 | -24.682 |
| 25-30 | 0.081 | 1.110 | 0.171 | 0.939 | 11.636 | 3.174 | -24.931 |
| 30-35 | 0.083 | 1.089 | 0.176 | 0.913 | 11.008 | 3.371 | -24.774 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 5** | | | | | | | |
| 0-1 | 0.195 | 1.737 | 0.083 | 1.654 | 8.492 | 5.993 | -22.505 |
| 1-2 | 0.190 | 1.720 | 0.082 | 1.638 | 8.609 | 5.911 | -22.573 |
| 2-3 | 0.196 | 2.004 | 0.078 | 1.926 | 9.837 | 5.656 | -23.107 |
| 3-4 | 0.196 | 1.756 | 0.087 | 1.669 | 8.523 | 5.815 | -22.534 |
| 4-5 | 0.194 | 1.759 | 0.094 | 1.665 | 8.596 | 5.635 | -22.618 |
| 5-6 | 0.192 | 1.804 | 0.111 | 1.694 | 8.800 | 5.641 | -22.499 |
| 6-7 | 0.189 | 1.748 | 0.082 | 1.667 | 8.836 | 5.699 | -22.698 |
| 7-8 | 0.192 | 1.748 | 0.091 | 1.657 | 8.630 | 5.743 | -22.640 |
| 8-9 | 0.192 | 1.733 | 0.082 | 1.651 | 8.589 | 5.644 | -22.681 |
| 9-10 | 0.185 | 1.722 | 0.096 | 1.626 | 8.807 | 5.753 | -22.743 |
| 10-12 | 0.182 | 1.694 | 0.078 | 1.616 | 8.873 | 5.597 | -22.788 |
| 12-14 | 0.184 | 1.711 | 0.084 | 1.627 | 8.828 | 5.576 | -22.675 |
| 14-16 | 0.191 | 1.756 | 0.098 | 1.658 | 8.699 | 5.669 | -22.737 |
| 16-18 | 0.190 | 1.736 | 0.086 | 1.650 | 8.685 | 5.957 | -22.754 |
| 18-20 | 0.183 | 1.718 | 0.083 | 1.635 | 8.956 | 5.510 | -22.766 |
| 20-25 | 0.180 | 1.714 | 0.101 | 1.613 | 8.967 | 5.537 | -22.949 |
| 25-30 | 0.175 | 1.687 | 0.085 | 1.601 | 9.129 | 5.576 | -22.841 |
| 30-35 | 0.173 | 1.647 | 0.103 | 1.544 | 8.928 | 5.337 | -22.846 |
| 35-40 | 0.169 | 1.606 | 0.089 | 1.517 | 8.953 | 5.428 | -22.976 |
| 40-45 | 0.160 | 1.844 | 0.102 | 1.741 | 10.862 | 5.159 | -25.387 |
| 45-50 | 0.156 | 1.776 | 0.091 | 1.685 | 10.826 | 4.988 | -23.584 |
| **Core 6** | | | | | | | |
| 0-1 | 0.161 | 1.434 | 0.100 | 1.333 | 8.288 | 5.735 | -21.497 |
| 1-2 | 0.158 | 1.383 | 0.082 | 1.301 | 8.240 | 5.776 | -21.739 |
| 2-3 | 0.157 | 1.420 | 0.090 | 1.330 | 8.447 | 5.749 | -21.944 |
| 3-4 | 0.175 | 1.458 | 0.089 | 1.370 | 7.823 | 6.002 | -21.906 |
| 4-5 | 0.146 | 1.311 | 0.092 | 1.219 | 8.361 | 5.636 | -22.182 |
| 5-6 | 0.149 | 1.327 | 0.090 | 1.237 | 8.296 | 5.638 | -22.337 |
| 6-7 | 0.153 | 1.375 | 0.098 | 1.277 | 8.323 | 5.897 | -22.049 |
| 7-8 | 0.152 | 1.361 | 0.090 | 1.271 | 8.381 | 5.424 | -22.188 |
| 8-9 | 0.152 | 1.385 | 0.099 | 1.286 | 8.445 | 5.462 | -22.155 |
| 9-10 | 0.156 | 1.381 | 0.096 | 1.285 | 8.248 | 5.518 | -22.221 |
| 10-12 | 0.154 | 1.347 | 0.097 | 1.249 | 8.133 | 5.511 | -22.117 |
| 12-14 | 0.149 | 1.333 | 0.092 | 1.241 | 8.321 | 5.691 | -22.166 |
| 14-16 | 0.145 | 1.286 | 0.099 | 1.187 | 8.159 | 5.751 | -22.381 |
| 16-18 | 0.142 | 1.274 | 0.088 | 1.186 | 8.354 | 5.660 | -22.228 |
| 18-20 | 0.145 | 1.323 | 0.104 | 1.219 | 8.398 | 5.516 | -22.283 |
| 20-25 | 0.143 | 1.307 | 0.100 | 1.207 | 8.442 | 5.541 | -22.416 |
| 25-30 | 0.144 | 1.264 | 0.107 | 1.157 | 8.043 | 5.620 | -22.440 |
| 30-35 | 0.146 | 1.361 | 0.097 | 1.265 | 8.656 | 5.633 | -22.420 |
| 35-40 | 0.143 | 1.350 | 0.115 | 1.235 | 8.664 | 5.627 | -22.522 |
| 40-45 | 0.126 | 1.185 | 0.101 | 1.084 | 8.603 | 5.538 | -22.498 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 7** | | | | | | | |
| 0-1 | 0.131 | 1.149 | 0.109 | 1.040 | 7.967 | 5.577 | -22.715 |
| 1-2 | 0.120 | 1.062 | 0.075 | 0.987 | 8.199 | 5.555 | -22.696 |
| 2-3 | 0.115 | 1.086 | 0.052 | 1.034 | 8.989 | 5.702 | -22.811 |
| 3-4 | 0.097 | 0.977 | 0.064 | 0.913 | 9.457 | 5.040 | -23.336 |
| 4-5 | 0.089 | 1.017 | 0.055 | 0.962 | 10.817 | 5.374 | -23.149 |
| 5-6 | 0.086 | 0.848 | 0.056 | 0.792 | 9.200 | 5.269 | -23.383 |
| 6-7 | 0.103 | 1.051 | 0.061 | 0.990 | 9.650 | 5.209 | -23.011 |
| 7-8 | 0.086 | 0.762 | 0.063 | 0.699 | 8.098 | 5.409 | -22.861 |
| 8-9 | 0.079 | 0.825 | 0.050 | 0.774 | 9.860 | 4.811 | -22.898 |
| 9-10 | 0.078 | 0.857 | 0.059 | 0.798 | 10.261 | 4.957 | -23.176 |
| 10-12 | 0.081 | 0.805 | 0.048 | 0.757 | 9.347 | 5.255 | -22.974 |
| 12-14 | 0.095 | 0.960 | 0.064 | 0.896 | 9.457 | 5.063 | -22.689 |
| 14-16 | 0.101 | 1.104 | 0.048 | 1.055 | 10.401 | 5.181 | -23.087 |
| 16-18 | 0.106 | 1.099 | 0.058 | 1.041 | 9.785 | 5.344 | -23.393 |
| 18-20 | 0.109 | 1.424 | 0.060 | 1.364 | 12.535 | 5.063 | -23.224 |
| 20-25 | 0.111 | 1.274 | 0.150 | 1.124 | 10.095 | 5.039 | -23.207 |
| 25-30 | 0.113 | 1.390 | 0.232 | 1.158 | 10.263 | 5.060 | -23.575 |
| 30-35 | 0.114 | 1.185 | 0.196 | 0.989 | 8.690 | 5.253 | -23.502 |
| 35-40 | 0.113 | 1.284 | 0.276 | 1.008 | 8.946 | 5.271 | -23.101 |
| 40-44 | 0.111 | 1.400 | 0.338 | 1.061 | 9.544 | 5.067 | -23.252 |
| **Core 8** | | | | | | | |
| 1-2 | 0.262 | 2.232 | 0.071 | 2.161 | 8.245 | 6.23 | -22.22 |
| 2-3 | 0.249 | 2.129 | 0.060 | 2.068 | 8.290 | 6.25 | -22.27 |
| 3-4 | 0.242 | 2.110 | 0.055 | 2.055 | 8.484 | 6.07 | -22.44 |
| 4-5 | 0.243 | 2.334 | 0.054 | 2.280 | 9.399 | 6.20 | -22.30 |
| 5-6 | 0.237 | 2.111 | 0.055 | 2.056 | 8.673 | 6.21 | -22.47 |
| 6-7 | 0.234 | 2.087 | 0.059 | 2.028 | 8.682 | 6.39 | -22.25 |
| 7-8 | 0.231 | 2.049 | 0.057 | 1.992 | 8.643 | 6.34 | -22.29 |
| 8-9 | 0.227 | 2.138 | 0.055 | 2.083 | 9.179 | 6.30 | -22.24 |
| 9-10 | 0.223 | 2.016 | 0.058 | 1.958 | 8.763 | 6.36 | -22.36 |
| 10-12 | 0.214 | 1.939 | 0.052 | 1.887 | 8.837 | 6.31 | -22.20 |
| 12-14 | 0.207 | 1.955 | 0.057 | 1.898 | 9.193 | 6.09 | -22.31 |
| 14-16 | 0.197 | 1.804 | 0.047 | 1.757 | 8.915 | 6.31 | -22.47 |
| 16-18 | 0.194 | 1.739 | 0.054 | 1.686 | 8.696 | 6.36 | -22.39 |
| 18-20 | 0.186 | 1.649 | 0.047 | 1.602 | 8.599 | 6.27 | -22.15 |
| 20-25 | 0.181 | 1.572 | 0.071 | 1.501 | 8.289 | 6.35 | -22.06 |
| 25-30 | 0.180 | 1.484 | 0.049 | 1.435 | 7.967 | 6.47 | -21.78 |
| 30-35 | 0.174 | 1.423 | 0.054 | 1.370 | 7.886 | 6.56 | -21.76 |
| 35-40 | 0.172 | 1.383 | 0.048 | 1.335 | 7.756 | 6.48 | -21.64 |
| 40-45 | 0.165 | 1.364 | 0.061 | 1.303 | 7.907 | 6.53 | -21.53 |
| 45-50 | 0.164 | 1.339 | 0.052 | 1.287 | 7.828 | 6.65 | -21.34 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 9** | | | | | | | |
| 0-1 | 0.270 | 2.239 | 0.052 | 2.187 | 8.103 | 7.03 | -21.34 |
| 1-2 | 0.268 | 2.207 | 0.057 | 2.150 | 8.023 | 6.66 | -21.52 |
| 2-3 | 0.261 | 2.177 | 0.057 | 2.120 | 8.119 | 6.82 | -21.77 |
| 3-4 | 0.253 | 2.152 | 0.061 | 2.091 | 8.267 | 6.85 | -21.70 |
| 4-5 | 0.253 | 2.130 | 0.063 | 2.066 | 8.164 | 6.67 | -21.82 |
| 5-6 | 0.237 | 2.092 | 0.063 | 2.030 | 8.546 | 6.64 | -21.74 |
| 6-7 | 0.247 | 2.162 | 0.068 | 2.094 | 8.465 | 6.60 | -22.09 |
| 7-8 | 0.237 | 2.089 | 0.072 | 2.017 | 8.516 | 6.48 | -21.90 |
| 8-9 | 0.227 | 2.032 | 0.057 | 1.976 | 8.686 | 6.50 | -22.19 |
| 9-10 | 0.232 | 2.083 | 0.062 | 2.022 | 8.704 | 6.54 | -22.15 |
| 10-12 | 0.221 | 1.974 | 0.060 | 1.914 | 8.673 | 6.37 | -22.11 |
| 12-14 | 0.215 | 1.943 | 0.067 | 1.876 | 8.720 | 6.66 | -21.92 |
| 14-16 | 0.213 | 1.924 | 0.062 | 1.863 | 8.749 | 6.57 | -22.11 |
| 16-18 | 0.214 | 1.945 | 0.072 | 1.873 | 8.768 | 6.58 | -21.97 |
| 18-20 | 0.209 | 1.915 | 0.065 | 1.850 | 8.845 | 6.45 | -21.94 |
| 20-25 | 0.201 | 1.852 | 0.069 | 1.784 | 8.862 | 6.68 | -22.09 |
| 25-30 | 0.201 | 1.754 | 0.066 | 1.688 | 8.398 | 6.62 | -21.73 |
| 30-35 | 0.200 | 1.668 | 0.062 | 1.606 | 8.016 | 6.80 | -20.71 |
| 35-40 | 0.194 | 1.588 | 0.067 | 1.521 | 7.846 | 6.81 | -20.62 |
| 40-45 | 0.187 | 1.554 | 0.072 | 1.483 | 7.917 | 6.96 | -21.05 |
| 45-50 | 0.188 | 1.511 | 0.074 | 1.437 | 7.648 | 7.01 | -20.55 |
| **Core 10** | | | | | | | |
| 0-1 | 0.431 | 3.636 | 0.067 | 3.569 | 8.287 | 7.13 | -19.96 |
| 1-2 | 0.432 | 3.679 | 0.048 | 3.631 | 8.408 | 7.08 | -20.46 |
| 2-3 | 0.435 | 3.693 | 0.058 | 3.635 | 8.366 | 7.19 | -20.04 |
| 3-4 | 0.422 | 3.606 | 0.051 | 3.556 | 8.426 | 7.15 | -20.21 |
| 4-5 | 0.440 | 3.701 | 0.061 | 3.640 | 8.282 | 6.87 | -19.69 |
| 5-6 | 0.423 | 3.674 | 0.054 | 3.620 | 8.551 | 7.02 | -19.92 |
| 6-7 | 0.401 | 3.918 | 0.054 | 3.864 | 9.634 | 7.00 | -20.07 |
| 7-8 | 0.405 | 3.560 | 0.053 | 3.507 | 8.660 | 6.87 | -20.72 |
| 8-9 | 0.392 | 3.491 | 0.065 | 3.426 | 8.732 | 6.86 | -19.96 |
| 9-10 | 0.387 | 3.448 | 0.048 | 3.401 | 8.792 | 6.90 | -19.62 |
| 10-12 | 0.390 | 3.417 | 0.045 | 3.372 | 8.645 | 6.96 | -19.50 |
| 12-14 | 0.381 | 3.216 | 0.035 | 3.180 | 8.346 | 7.09 | -19.79 |
| 14-16 | 0.380 | 3.134 | 0.032 | 3.101 | 8.159 | 7.31 | -19.44 |
| 16-18 | 0.382 | 3.090 | 0.036 | 3.054 | 8.004 | 7.23 | -19.48 |
| 18-20 | 0.374 | 2.945 | 0.034 | 2.911 | 7.793 | 7.13 | -19.09 |
| 20-25 | 0.369 | 2.949 | 0.041 | 2.908 | 7.874 | 7.32 | -20.37 |
| 25-30 | 0.359 | 2.843 | 0.033 | 2.810 | 7.826 | 7.40 | -20.48 |
| 30-35 | 0.366 | 2.875 | 0.042 | 2.833 | 7.740 | 7.36 | -20.35 |
| 35-40 | 0.342 | 2.726 | 0.037 | 2.689 | 7.856 | 7.15 | -20.34 |
| 40-45 | 0.342 | 2.726 | 0.037 | 2.689 | 7.856 | 7.15 | -20.34 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 11** | | | | | | | |
| 0-1 | 0.409 | 3.330 | 0.076 | 3.254 | 7.960 | 7.10 | -21.07 |
| 1-2 | 0.411 | 3.349 | 0.061 | 3.288 | 8.009 | 7.49 | -21.06 |
| 2-3 | 0.417 | 3.398 | 0.080 | 3.319 | 7.967 | 7.07 | -20.91 |
| 3-4 | 0.415 | 3.402 | 0.057 | 3.345 | 8.068 | 6.84 | -21.05 |
| 4-5 | 0.413 | 3.412 | 0.076 | 3.337 | 8.073 | 7.08 | -21.30 |
| 5-6 | 0.406 | 3.359 | 0.062 | 3.297 | 8.127 | 7.19 | -21.41 |
| 6-7 | 0.398 | 3.322 | 0.095 | 3.227 | 8.115 | 6.91 | -21.15 |
| 7-8 | 0.398 | 3.337 | 0.061 | 3.276 | 8.227 | 6.97 | -21.22 |
| 8-9 | 0.395 | 3.309 | 0.076 | 3.233 | 8.187 | 7.12 | -21.24 |
| 9-10 | 0.394 | 3.337 | 0.074 | 3.263 | 8.286 | 6.96 | -20.89 |
| 10-12 | 0.375 | 3.231 | 0.074 | 3.157 | 8.410 | 6.96 | -21.52 |
| 12-14 | 0.364 | 3.135 | 0.066 | 3.069 | 8.434 | 7.08 | -21.06 |
| 14-16 | 0.357 | 3.112 | 0.084 | 3.028 | 8.487 | 6.60 | -21.41 |
| 16-18 | 0.360 | 3.122 | 0.079 | 3.043 | 8.447 | 6.81 | -21.52 |
| 18-20 | 0.352 | 3.113 | 0.105 | 3.008 | 8.550 | 6.96 | -21.30 |
| 20-25 | 0.352 | 3.081 | 0.072 | 3.009 | 8.557 | 7.06 | -21.34 |
| 25-30 | 0.359 | 3.026 | 0.047 | 2.979 | 8.306 | 6.94 | -21.27 |
| 30-35 | 0.356 | 2.940 | 0.034 | 2.905 | 8.159 | 6.97 | -20.97 |
| 35-40 | 0.346 | 2.819 | 0.039 | 2.780 | 8.032 | 7.13 | -20.58 |
| 40-45 | 0.335 | 2.771 | 0.029 | 2.741 | 8.181 | 7.31 | -20.39 |
| 45-50 | 0.343 | 2.703 | 0.052 | 2.651 | 7.723 | 7.13 | -20.38 |
| **Core 12** | | | | | | | |
| 0-1 | 0.340 | 2.738 | 0.062 | 2.676 | 7.876 | 7.18 | -21.26 |
| 1-2 | 0.326 | 2.783 | 0.070 | 2.714 | 8.322 | 7.31 | -21.26 |
| 2-3 | 0.336 | 2.776 | 0.068 | 2.707 | 8.056 | 7.31 | -21.31 |
| 3-4 | 0.327 | 2.817 | 0.075 | 2.742 | 8.381 | 7.37 | -21.24 |
| 4-5 | 0.341 | 2.784 | 0.071 | 2.712 | 7.943 | 7.21 | -21.03 |
| 5-6 | 0.315 | 2.718 | 0.072 | 2.646 | 8.390 | 7.25 | -21.41 |
| 6-7 | 0.316 | 2.667 | 0.064 | 2.603 | 8.238 | 7.09 | -21.44 |
| 7-8 | 0.313 | 2.682 | 0.058 | 2.623 | 8.381 | 7.12 | -21.49 |
| 8-9 | 0.304 | 2.612 | 0.059 | 2.553 | 8.392 | 7.35 | -21.49 |
| 9-10 | 0.298 | 2.636 | 0.075 | 2.561 | 8.606 | 7.11 | -21.56 |
| 10-12 | 0.310 | 2.662 | 0.066 | 2.596 | 8.385 | 7.19 | -21.59 |
| 12-14 | 0.287 | 2.593 | 0.065 | 2.528 | 8.808 | 7.10 | -21.39 |
| 14-16 | 0.297 | 2.615 | 0.053 | 2.562 | 8.628 | 7.15 | -21.23 |
| 16-18 | 0.284 | 2.553 | 0.063 | 2.491 | 8.768 | 7.29 | -21.20 |
| 18-20 | 0.296 | 2.542 | 0.053 | 2.489 | 8.412 | 7.11 | -21.21 |
| 20-25 | 0.312 | 2.590 | 0.070 | 2.520 | 8.088 | 7.42 | -21.45 |
| 25-30 | 0.279 | 2.356 | 0.061 | 2.295 | 8.213 | 7.46 | -21.07 |
| 30-35 | 0.284 | 2.301 | 0.073 | 2.228 | 7.857 | 7.51 | -20.67 |
| 35-40 | 0.282 | 2.275 | 0.051 | 2.224 | 7.880 | 7.53 | -20.58 |
| 40-45 | 0.278 | 2.232 | 0.078 | 2.154 | 7.736 | 7.44 | -21.09 |
| 45-50 | 0.293 | 2.358 | 0.071 | 2.287 | 7.800 | 7.81 | -20.67 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 13** | | | | | | | |
| 1-2 | 0.312 | 2.560 | 0.061 | 2.499 | 8.020 | 7.01 | -21.38 |
| 2-3 | 0.309 | 2.577 | 0.048 | 2.529 | 8.173 | 7.26 | -21.58 |
| 3-4 | 0.310 | 2.574 | 0.054 | 2.520 | 8.130 | 7.19 | -21.13 |
| 4-5 | 0.308 | 2.587 | 0.054 | 2.533 | 8.216 | 7.37 | -21.38 |
| 5-6 | 0.303 | 2.609 | 0.057 | 2.553 | 8.421 | 7.29 | -21.49 |
| 6-7 | 0.296 | 2.510 | 0.048 | 2.463 | 8.322 | 7.19 | -21.66 |
| 7-8 | 0.274 | 2.383 | 0.050 | 2.333 | 8.510 | 7.17 | -21.58 |
| 8-9 | 0.281 | 2.415 | 0.050 | 2.365 | 8.428 | 7.27 | -21.93 |
| 9-10 | 0.270 | 2.332 | 0.046 | 2.285 | 8.453 | 7.15 | -22.04 |
| 10-12 | 0.264 | 2.307 | 0.054 | 2.253 | 8.525 | 7.32 | -21.88 |
| 12-14 | 0.257 | 2.271 | 0.049 | 2.222 | 8.644 | 7.35 | -21.99 |
| 14-16 | 0.257 | 2.305 | 0.056 | 2.249 | 8.733 | 7.34 | -21.88 |
| 16-18 | 0.257 | 2.243 | 0.056 | 2.187 | 8.521 | 7.23 | -21.84 |
| 18-20 | 0.258 | 2.218 | 0.074 | 2.144 | 8.317 | 7.42 | -21.69 |
| 20-25 | 0.262 | 2.200 | 0.071 | 2.130 | 8.142 | 7.44 | -21.16 |
| 25-30 | 0.255 | 2.181 | 0.096 | 2.085 | 8.164 | 7.55 | -21.15 |
| 30-35 | 0.291 | 2.527 | 0.114 | 2.414 | 8.280 | 7.37 | -21.53 |
| **Core 14** | | | | | | | |
| 0-1 | 0.208 | 1.837 | 0.063 | 1.773 | 8.529 | 6.48 | -22.57 |
| 1-2 | 0.208 | 1.867 | 0.075 | 1.792 | 8.623 | 6.47 | -22.40 |
| 2-3 | 0.203 | 1.840 | 0.074 | 1.766 | 8.712 | 6.37 | -22.62 |
| 3-4 | 0.221 | 1.924 | 0.061 | 1.863 | 8.422 | 7.19 | -22.02 |
| 4-5 | 0.203 | 1.862 | 0.070 | 1.792 | 8.830 | 6.30 | -22.56 |
| 5-6 | 0.198 | 1.813 | 0.069 | 1.745 | 8.817 | 6.33 | -22.96 |
| 6-7 | 0.195 | 1.790 | 0.080 | 1.710 | 8.768 | 6.24 | -22.78 |
| 7-8 | 0.185 | 1.771 | 0.064 | 1.707 | 9.204 | 6.25 | -22.88 |
| 8-9 | 0.182 | 1.708 | 0.067 | 1.640 | 9.018 | 6.30 | -22.76 |
| 9-10 | 0.181 | 1.747 | 0.064 | 1.684 | 9.307 | 6.21 | -22.53 |
| 10-12 | 0.176 | 1.674 | 0.070 | 1.605 | 9.119 | 6.23 | -22.80 |
| 12-14 | 0.170 | 1.647 | 0.063 | 1.584 | 9.300 | 5.95 | -22.82 |
| 14-16 | 0.166 | 1.614 | 0.071 | 1.543 | 9.307 | 5.97 | -23.12 |
| 16-18 | 0.156 | 1.506 | 0.073 | 1.433 | 9.167 | 5.94 | -22.95 |
| 18-20 | 0.158 | 1.515 | 0.075 | 1.439 | 9.115 | 5.99 | -23.05 |
| 20-25 | 0.151 | 1.441 | 0.065 | 1.376 | 9.139 | 6.14 | -22.65 |
| 25-30 | 0.149 | 1.442 | 0.072 | 1.371 | 9.197 | 6.07 | -22.77 |
| 30-35 | 0.137 | 1.256 | 0.068 | 1.188 | 8.648 | 6.12 | -22.76 |
| 35-40 | 0.154 | 1.489 | 0.066 | 1.423 | 9.241 | 6.04 | -22.99 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 15** | | | | | | | |
| 0-1 | 0.166 | 1.546 | 0.076 | 1.470 | 8.879 | 5.85 | -23.19 |
| 1-2 | 0.194 | 1.742 | 0.091 | 1.651 | 8.512 | 6.19 | -22.60 |
| 2-3 | 0.185 | 1.682 | 0.081 | 1.601 | 8.641 | 5.94 | -22.93 |
| 3-4 | 0.180 | 1.685 | 0.085 | 1.600 | 8.900 | 5.76 | -22.88 |
| 4-5 | 0.181 | 1.687 | 0.075 | 1.612 | 8.884 | 5.99 | -22.57 |
| 5-6 | 0.180 | 1.708 | 0.092 | 1.617 | 8.969 | 6.01 | -22.88 |
| 6-7 | 0.175 | 1.653 | 0.146 | 1.507 | 8.632 | 5.98 | -22.56 |
| 7-8 | 0.174 | 1.623 | 0.108 | 1.515 | 8.698 | 5.95 | -22.42 |
| 8-9 | 0.170 | 1.607 | 0.082 | 1.525 | 8.958 | 5.98 | -22.47 |
| 9-10 | 0.163 | 1.583 | 0.100 | 1.484 | 9.087 | 6.03 | -22.59 |
| 10-12 | 0.168 | 1.581 | 0.089 | 1.492 | 8.899 | 5.85 | -22.56 |
| 12-14 | 0.183 | 1.665 | 0.095 | 1.570 | 8.562 | 5.91 | -22.52 |
| 14-16 | 0.175 | 1.657 | 0.080 | 1.577 | 8.990 | 5.92 | -22.50 |
| 16-18 | 0.173 | 1.618 | 0.095 | 1.523 | 8.788 | 5.81 | -22.82 |
| 18-20 | 0.165 | 1.577 | 0.130 | 1.446 | 8.764 | 5.95 | -22.68 |
| 20-25 | 0.163 | 1.539 | 0.101 | 1.438 | 8.800 | 5.83 | -22.54 |
| 25-30 | 0.150 | 1.462 | 0.105 | 1.357 | 9.023 | 5.77 | -22.78 |
| **Core 16** | | | | | | | |
| 0-1 | 0.170 | 1.526 | 0.088 | 1.438 | 8.462 | 5.72 | -22.24 |
| 1-2 | 0.166 | 1.513 | 0.091 | 1.422 | 8.583 | 5.51 | -22.36 |
| 2-3 | 0.163 | 1.477 | 0.098 | 1.380 | 8.474 | 5.53 | -22.48 |
| 3-4 | 0.165 | 1.569 | 0.116 | 1.453 | 8.830 | 5.40 | -22.34 |
| 4-5 | 0.173 | 1.583 | 0.112 | 1.471 | 8.504 | 5.50 | -22.31 |
| 5-6 | 0.173 | 1.520 | 0.081 | 1.439 | 8.306 | 5.54 | -22.20 |
| 6-7 | 0.181 | 1.673 | 0.092 | 1.581 | 8.727 | 5.44 | -22.11 |
| 7-8 | 0.177 | 1.620 | 0.097 | 1.523 | 8.599 | 5.59 | -22.14 |
| 8-9 | 0.164 | 1.533 | 0.101 | 1.432 | 8.713 | 5.53 | -22.34 |
| 9-10 | 0.161 | 1.500 | 0.102 | 1.398 | 8.702 | 5.39 | -22.17 |
| 10-12 | 0.156 | 1.440 | 0.102 | 1.338 | 8.591 | 5.44 | -22.36 |
| 12-14 | 0.160 | 1.499 | 0.106 | 1.392 | 8.704 | 5.35 | -22.40 |
| 14-16 | 0.150 | 1.398 | 0.088 | 1.310 | 8.758 | 5.45 | -22.32 |
| 16-18 | 0.157 | 1.486 | 0.098 | 1.388 | 8.862 | 5.59 | -22.21 |
| 18-20 | 0.153 | 1.458 | 0.112 | 1.346 | 8.815 | 5.45 | -22.41 |
| 20-25 | 0.148 | 1.405 | 0.088 | 1.317 | 8.872 | 5.74 | -22.38 |
| **Core 17** | | | | | | | |
| 0-1 | 0.267 | 2.184 | 0.121 | 2.063 | 7.741 | 6.926 | -20.67 |
| 1-2 | 0.268 | 2.224 | 0.097 | 2.127 | 7.926 | 6.754 | -20.87 |
| 2-3 | 0.281 | 2.408 | 0.165 | 2.243 | 7.993 | 6.422 | -21.02 |
| 3-4 | 0.273 | 2.294 | 0.089 | 2.205 | 8.067 | 6.226 | -21.08 |
| 4-5 | 0.270 | 2.284 | 0.116 | 2.168 | 8.039 | 6.352 | -21.00 |
| 5-6 | 0.266 | 2.280 | 0.126 | 2.153 | 8.087 | 6.079 | -20.94 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 17 Continued** | | | | | | | |
| 6-7 | 0.261 | 2.223 | 0.108 | 2.115 | 8.092 | 6.299 | -21.18 |
| 7-8 | 0.257 | 2.232 | 0.146 | 2.086 | 8.121 | 6.276 | -21.22 |
| 8-9 | 0.249 | 2.218 | 0.160 | 2.058 | 8.277 | 6.121 | -21.43 |
| 9-10 | 0.249 | 2.210 | 0.181 | 2.029 | 8.151 | 6.211 | -21.65 |
| 10-12 | 0.248 | 2.213 | 0.137 | 2.076 | 8.385 | 5.875 | -21.76 |
| 12-14 | 0.245 | 2.153 | 0.130 | 2.023 | 8.249 | 5.964 | -21.65 |
| 14-16 | 0.229 | 2.025 | 0.122 | 1.903 | 8.308 | 6.312 | -21.62 |
| 16-18 | 0.233 | 2.086 | 0.150 | 1.935 | 8.307 | 5.894 | -21.78 |
| 18-20 | 0.232 | 2.124 | 0.180 | 1.944 | 8.366 | 6.161 | -21.91 |
| 20-25 | 0.227 | 2.043 | 0.144 | 1.899 | 8.371 | 6.186 | -21.81 |
| 25-30 | 0.219 | 2.052 | 0.164 | 1.888 | 8.627 | 6.092 | -21.81 |
| 30-35 | 0.225 | 2.052 | 0.168 | 1.884 | 8.374 | 6.227 | -21.94 |
| 35-40 | 0.210 | 1.903 | 0.129 | 1.774 | 8.439 | 6.054 | -21.78 |
| 40-45 | 0.206 | 1.808 | 0.132 | 1.676 | 8.138 | 6.26 | -21.60 |
| 45-50 | 0.200 | 1.712 | 0.111 | 1.601 | 7.993 | 6.605 | -21.27 |
| **Core 18** | | | | | | | |
| 0-1 | 0.081 | 1.318 | 0.635 | 0.682 | 8.478 | 6.454 | -22.21 |
| 1-2 | 0.090 | 1.379 | 0.512 | 0.867 | 9.591 | 6.2 | -22.70 |
| 2-3 | 0.073 | 1.127 | 0.565 | 0.562 | 7.654 | 6.224 | -22.19 |
| 3-4 | 0.076 | 1.299 | 0.693 | 0.606 | 8.013 | 6.489 | -22.44 |
| 4-5 | 0.073 | 0.929 | 0.366 | 0.563 | 7.732 | 6.152 | -22.21 |
| 5-6 | 0.072 | 0.999 | 0.448 | 0.551 | 7.654 | 5.959 | -22.34 |
| 6-7 | 0.072 | 1.747 | 1.176 | 0.571 | 7.904 | 6.324 | -22.03 |
| 7-8 | 0.076 | 1.299 | 0.648 | 0.652 | 8.597 | 5.856 | -22.44 |
| 8-9 | 0.071 | 0.919 | 0.313 | 0.606 | 8.477 | 5.92 | -22.60 |
| 9-10 | 0.067 | 0.948 | 0.379 | 0.568 | 8.427 | 6.055 | -22.58 |
| 10-11 | 0.065 | 0.836 | 0.270 | 0.566 | 8.673 | 5.869 | -22.69 |
| 11-12 | 0.068 | 0.896 | 0.298 | 0.598 | 8.833 | 5.832 | -22.84 |
| 12-13 | 0.066 | 0.789 | 0.216 | 0.573 | 8.629 | 5.701 | -23.00 |
| 13-14 | 0.068 | 0.875 | 0.265 | 0.610 | 8.968 | 5.697 | -22.81 |
| 14-15 | 0.068 | 0.869 | 0.260 | 0.609 | 9.001 | 5.696 | -22.75 |
| 15-16 | 0.072 | 0.939 | 0.297 | 0.642 | 8.933 | 5.721 | -23.01 |
| 16-17 | 0.071 | 0.935 | 0.304 | 0.631 | 8.864 | 5.654 | -23.05 |
| 17-18 | 0.081 | 1.027 | 0.332 | 0.695 | 8.625 | 5.537 | -22.51 |
| 18-19 | 0.088 | 0.976 | 0.268 | 0.708 | 8.044 | 5.778 | -22.25 |
| **Core 19** | | | | | | | |
| 0-1 | 0.5 | 0.166 | 1.599 | 0.083 | 1.516 | 9.142 | -22.85 |
| 1-2 | 1.5 | 0.172 | 1.606 | 0.096 | 1.511 | 8.806 | -22.75 |
| 2-3 | 2.5 | 0.170 | 1.638 | 0.093 | 1.545 | 9.102 | -21.84 |
| 3-4 | 3.5 | 0.175 | 1.672 | 0.106 | 1.566 | 8.970 | -22.23 |
| 4-5 | 4.5 | 0.175 | 1.661 | 0.094 | 1.567 | 8.942 | -22.55 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}$N vs air | $\delta^{13}$Corg vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 19 Continued** | | | | | | | |
| 5-6 | 5.5 | 0.171 | 1.669 | 0.122 | 1.547 | 9.045 | -22.39 |
| 6-7 | 6.5 | 0.170 | 1.605 | 0.097 | 1.508 | 8.869 | -22.60 |
| 7-8 | 7.5 | 0.172 | 1.660 | 0.102 | 1.558 | 9.047 | -22.50 |
| 8-9 | 8.5 | 0.179 | 1.682 | 0.086 | 1.597 | 8.944 | -22.24 |
| 9-10 | 9.5 | 0.181 | 1.713 | 0.109 | 1.604 | 8.864 | -22.11 |
| 10-12 | 11.5 | 0.173 | 1.628 | 0.108 | 1.520 | 8.777 | -22.14 |
| 12-14 | 13 | 0.178 | 1.671 | 0.101 | 1.570 | 8.815 | -22.17 |
| 14-16 | 15 | 0.177 | 1.686 | 0.104 | 1.582 | 8.924 | -22.03 |
| 16-18 | 17 | 0.177 | 1.690 | 0.100 | 1.590 | 8.984 | -22.61 |
| 18-20 | 19 | 0.177 | 1.672 | 0.114 | 1.558 | 8.818 | -22.49 |
| **Core 20** | | | | | | | |
| 0-1 | 0.219 | 1.891 | 0.064 | 1.827 | 8.342 | 6.14 | -21.59 |
| 1-2 | 0.219 | 1.916 | 0.069 | 1.847 | 8.437 | 6.01 | -21.90 |
| 2-3 | 0.219 | 1.911 | 0.068 | 1.843 | 8.423 | 6.22 | -21.65 |
| 3-4 | 0.218 | 1.905 | 0.053 | 1.852 | 8.498 | 6.19 | -21.88 |
| 4-5 | 0.216 | 1.957 | 0.069 | 1.887 | 8.725 | 6.02 | -22.43 |
| 5-6 | 0.215 | 1.884 | 0.058 | 1.826 | 8.480 | 5.78 | -21.97 |
| 6-7 | 0.210 | 1.856 | 0.071 | 1.785 | 8.515 | 5.79 | -22.02 |
| 7-8 | 0.204 | 1.813 | 0.073 | 1.740 | 8.538 | 5.93 | -21.94 |
| 8-9 | 0.195 | 1.780 | 0.071 | 1.709 | 8.756 | 6.04 | -22.23 |
| 9-10 | 0.191 | 1.946 | 0.059 | 1.887 | 9.875 | 5.83 | -22.42 |
| 10-12 | 0.188 | 1.741 | 0.086 | 1.655 | 8.818 | 6.15 | -22.40 |
| 12-14 | 0.183 | 1.705 | 0.061 | 1.645 | 8.978 | 5.92 | -22.34 |
| 14-16 | 0.181 | 1.666 | 0.075 | 1.591 | 8.807 | 5.74 | -22.09 |
| 16-18 | 0.180 | 1.600 | 0.068 | 1.531 | 8.522 | 6.14 | -22.06 |
| 18-20 | 0.173 | 1.556 | 0.081 | 1.475 | 8.521 | 6.26 | -22.20 |
| 20-25 | 0.173 | 1.498 | 0.063 | 1.434 | 8.310 | 6.36 | -21.64 |
| 25-30 | 0.167 | 1.443 | 0.072 | 1.371 | 8.201 | 6.29 | -21.64 |
| 30-35 | 0.163 | 1.374 | 0.062 | 1.312 | 8.036 | 6.44 | -21.48 |
| 35-40 | 0.165 | 1.352 | 0.067 | 1.285 | 7.796 | 6.48 | -21.45 |
| 40-45 | 0.163 | 1.380 | 0.066 | 1.314 | 8.083 | 6.58 | -21.55 |
| 50-55 | 0.185 | 1.687 | 0.072 | 1.616 | 8.720 | 6.06 | -22.18 |
| **Core 21** | | | | | | | |
| 0-1 | 0.461 | 4.480 | 0.070 | 4.410 | 9.566 | 7.00 | -20.88 |
| 1-2 | 0.482 | 4.596 | 0.069 | 4.527 | 9.387 | 6.90 | -21.53 |
| 2-3 | 0.480 | 5.175 | 0.072 | 5.103 | 10.636 | 7.04 | -21.30 |
| 3-4 | 0.467 | 4.767 | 0.081 | 4.686 | 10.027 | 6.97 | -21.11 |
| 4-5 | 0.444 | 4.574 | 0.127 | 4.447 | 10.015 | 6.90 | -21.80 |
| 5-6 | 0.408 | 4.057 | 0.086 | 3.971 | 9.725 | 6.67 | -21.24 |
| 6-7 | 0.325 | 3.127 | 0.065 | 3.061 | 9.413 | 6.89 | -21.10 |
| 7-8 | 0.383 | 3.748 | 0.071 | 3.676 | 9.590 | 6.84 | -21.79 |

Table 5: Continued.

| Sample Depth (cm) | Total N (%) | Total C (%) | Total Carb C (%) | Total Org C (%) | Org C/N | $\delta^{15}N$ vs air | $\delta^{13}Corg$ vs PDB |
|---|---|---|---|---|---|---|---|
| **Core 21 Continued** | | | | | | | |
| 8-9 | 0.361 | 3.848 | 0.085 | 3.763 | 10.424 | 6.94 | -21.87 |
| 9-10 | 0.359 | 3.733 | 0.078 | 3.656 | 10.178 | 6.93 | -21.73 |
| 10-12 | 0.334 | 3.475 | 0.091 | 3.385 | 10.118 | 6.83 | -22.06 |
| 12-14 | 0.325 | 3.446 | 0.126 | 3.320 | 10.227 | 6.97 | -21.72 |
| 14-16 | 0.345 | 3.590 | 0.091 | 3.499 | 10.147 | 6.61 | -21.35 |
| 16-18 | 0.318 | 3.204 | 0.085 | 3.119 | 9.819 | 6.36 | -21.48 |
| 18-20 | 0.353 | 3.322 | 0.066 | 3.257 | 9.239 | 7.09 | -21.07 |
| 20-25 | 0.332 | 3.160 | 0.105 | 3.055 | 9.192 | 7.16 | -21.38 |
| 25-30 | 0.325 | 2.907 | 0.051 | 2.856 | 8.787 | 7.05 | -20.93 |
| 30-35 | 0.265 | 2.334 | 0.063 | 2.271 | 8.556 | 7.31 | -21.14 |
| 35-40 | 0.293 | 2.633 | 0.111 | 2.522 | 8.593 | 7.43 | -20.86 |
| **Core 22** | | | | | | | |
| 0-1 | 0.337 | 2.801 | 0.105 | 2.695 | 8.009 | 6.67 | -20.93 |
| 1-2 | 0.356 | 2.976 | 0.084 | 2.892 | 8.117 | 6.64 | -20.68 |
| 2-3 | 0.359 | 2.997 | 0.134 | 2.863 | 7.982 | 6.68 | -20.65 |
| 3-4 | 0.354 | 2.993 | 0.078 | 2.915 | 8.242 | 6.68 | -20.85 |
| 4-5 | 0.346 | 2.933 | 0.159 | 2.775 | 8.030 | 6.78 | -20.49 |
| 5-6 | 0.342 | 2.943 | 0.122 | 2.821 | 8.256 | 6.64 | -20.30 |
| 6-7 | 0.340 | 2.943 | 0.178 | 2.765 | 8.143 | 6.62 | -20.92 |
| 7-8 | 0.332 | 2.906 | 0.109 | 2.797 | 8.426 | 6.57 | -21.22 |
| 8-9 | 0.324 | 2.849 | 0.142 | 2.707 | 8.354 | 6.59 | -21.04 |
| 9-10 | 0.314 | 2.817 | 0.077 | 2.739 | 8.726 | 6.51 | -21.11 |
| 10-12 | 0.310 | 2.785 | 0.242 | 2.542 | 8.191 | 6.22 | -21.70 |
| 12-14 | 0.314 | 2.839 | 0.091 | 2.748 | 8.748 | 5.71 | -21.52 |
| 14-16 | 0.298 | 2.777 | 0.157 | 2.619 | 8.801 | 5.56 | -21.91 |
| 16-18 | 0.310 | 2.786 | 0.091 | 2.696 | 8.692 | 5.97 | -21.51 |
| 18-23 | 0.286 | 2.662 | 0.103 | 2.559 | 8.949 | 6.13 | -22.05 |
| 23-28 | 0.279 | 2.623 | 0.093 | 2.530 | 9.075 | 6.01 | -21.94 |
| 28-33 | 0.274 | 2.626 | 0.103 | 2.523 | 9.210 | 6.14 | -21.85 |
| 33-38 | 0.278 | 2.540 | 0.098 | 2.441 | 8.779 | 6.01 | -21.85 |
| 38-43 | 0.274 | 2.424 | 0.108 | 2.316 | 8.441 | 6.09 | -21.16 |
| 43-48 | 0.265 | 2.316 | 0.126 | 2.190 | 8.254 | 6.49 | -21.37 |
| 48-53 | 0.271 | 2.310 | 0.102 | 2.208 | 8.159 | 6.62 | -21.24 |

Table 6: Results of the metals, nitrogen, carbon, opal and flux measurements from the two GVRD sediment traps. Deployment 1 only. Asterisk indicates value is an average of two measurements.

| Station | Baker Trap Serial No. | Cup # | Water depth (m) | Distance off bottom (m) | Depth from surface (m) | Time zone | Start date yyyy/mm/dd hh:mm (UTC) | End date yyyy/mm/dd hh:mm (UTC) | Mid-date yyyy/mm/dd hh:mm (UTC) | Julian start (UTC) | Julian end (UTC) | Interval (days) | Height in tube (cm) | Trap Cup # | Combined sample wt (all tubes and cups) (grams) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GVRD A1-TOP Trap | 31533 | 1 | 99 | 50 | 49 | UTC | 2003/10/13 00:00 | 2003/11/03 00:00 | 2003/10/23 12:00 | 286.00 | 307.00 | 21.00 | 5.5 | 1 | 6.8526 |
| GVRD A1-TOP | 31533 | 2 | 99 | 50 | 49 | UTC | 2003/11/03 00:00 | 2003/11/24 00:00 | 2003/11/13 12:00 | 307.00 | 328.00 | 21.00 | 3.0 | 2 | 3.6810 |
| GVRD A1-TOP | 31533 | 3 | 99 | 50 | 49 | UTC | 2003/11/24 00:00 | 2003/12/15 00:00 | 2003/12/04 12:00 | 328.00 | 349.00 | 21.00 | 6.5 | 3 | 9.7148 |
| GVRD A1-TOP | 31533 | 4 | 99 | 50 | 49 | UTC | 2003/12/15 00:00 | 2004/01/05 00:00 | 2003/12/25 12:00 | 349.00 | 370.00 | 21.00 | 4.5 | 4 | 6.8962 |
| GVRD A1-TOP | 31533 | 5 | 99 | 50 | 49 | UTC | 2004/01/05 00:00 | 2004/01/26 00:00 | 2004/01/15 12:00 | 370.00 | 391.00 | 21.00 | 4.5 | 5 | 6.4711 |
| GVRD A1-TOP | 31533 | 6 | 99 | 50 | 49 | UTC | 2004/01/26 00:00 | 2004/02/16 00:00 | 2004/02/05 12:00 | 391.00 | 412.00 | 21.00 | 4.0 | 6 | 4.9222 |
| GVRD A1-TOP | 31533 | 7 | 99 | 50 | 49 | UTC | 2004/02/16 00:00 | 2004/03/08 00:00 | 2004/02/26 12:00 | 412.00 | 433.00 | 21.00 | 12.0 | 7 | 16.3374 |
| GVRD A1-TOP | 31533 | 8 | 99 | 50 | 49 | UTC | 2004/03/08 00:00 | 2004/03/29 00:00 | 2004/03/18 12:00 | 433.00 | 454.00 | 21.00 | 6.0 | 8 | 6.3599 |
| GVRD A1-TOP | 31533 | 9 | 99 | 50 | 49 | UTC | 2004/03/29 00:00 | 2004/04/19 00:00 | 2004/04/08 12:00 | 454.00 | 475.00 | 21.00 | 11.0 | 9 | 11.0074 |
| GVRD A1-TOP | 31533 | 10 | 99 | 50 | 49 | UTC | 2004/04/19 00:00 | 2004/04/28 14:53 | 2004/04/23 19:26 | 475.00 | 484.62 | 9.62 | 5.0 | 10 | 3.4967 |
| GVRD A1-BOT | 87302A | 1 | 99 | 20 | 79 | UTC | 2003/10/13 00:00 | 2003/11/03 00:00 | 2003/10/23 12:00 | 286.00 | 307.00 | 21.00 | 13.0 | 1 | 16.6260 |
| GVRD A1-BOT | 87302A | 2 | 99 | 20 | 79 | UTC | 2003/11/03 00:00 | 2003/11/24 00:00 | 2003/11/13 12:00 | 307.00 | 328.00 | 21.00 | 12.5 | 2 | 18.0748 |
| GVRD A1-BOT | 87302A | 3 | 99 | 20 | 79 | UTC | 2003/11/24 00:00 | 2003/12/15 00:00 | 2003/12/04 12:00 | 328.00 | 349.00 | 21.00 | 19.5 | 3 | 29.6836 |
| GVRD A1-BOT | 87302A | 4 | 99 | 20 | 79 | UTC | 2003/12/15 00:00 | 2004/01/05 00:00 | 2003/12/25 12:00 | 349.00 | 370.00 | 21.00 | 15.0 | 4 | 26.6590 |
| GVRD A1-BOT | 87302A | 5 | 99 | 20 | 79 | UTC | 2004/01/05 00:00 | 2004/01/26 00:00 | 2004/01/15 12:00 | 370.00 | 391.00 | 21.00 | 13.0 | 5 | 19.3953 |
| GVRD A1-BOT | 87302A | 6 | 99 | 20 | 79 | UTC | 2004/01/26 00:00 | 2004/02/16 00:00 | 2004/02/05 12:00 | 391.00 | 412.00 | 21.00 | 10.5 | 6 | 14.4196 |
| GVRD A1-BOT | 87302A | 7 | 99 | 20 | 79 | UTC | 2004/02/16 00:00 | 2004/03/08 00:00 | 2004/02/26 12:00 | 412.00 | 433.00 | 21.00 | 11.0 | 7 | 16.1178 |
| GVRD A1-BOT | 87302A | 8 | 99 | 20 | 79 | UTC | 2004/03/08 00:00 | 2004/03/29 00:00 | 2004/03/18 12:00 | 433.00 | 454.00 | 21.00 | 12.5 | 8 | 15.6790 |
| GVRD A1-BOT | 87302A | 9 | 99 | 20 | 79 | UTC | 2004/03/29 00:00 | 2004/04/19 00:00 | 2004/04/08 12:00 | 454.00 | 475.00 | 21.00 | 17.0 | 9 | 18.2221 |
| GVRD A1-BOT | 87302A | 10 | 99 | 20 | 79 | UTC | 2004/04/19 00:00 | 2004/04/28 14:53 | 2004/04/23 19:26 | 475.00 | 484.62 | 9.62 | | 10 | |
| GVRD B1-TOP | 718105 | 1 | 240 | 50 | 190 | UTC | 2003/10/13 00:00 | 2003/11/03 00:00 | 2003/10/23 12:00 | 286.00 | 307.00 | 21.00 | 13.5 | 1 | 25.4672 |
| GVRD B1-TOP | 718105 | 2 | 240 | 50 | 190 | UTC | 2003/11/03 00:00 | 2003/11/24 00:00 | 2003/11/13 12:00 | 307.00 | 328.00 | 21.00 | 5.7 | 2 | 6.0079 |
| GVRD B1-TOP | 718105 | 3 | 240 | 50 | 190 | UTC | 2003/11/24 00:00 | 2003/12/15 00:00 | 2003/12/04 12:00 | 328.00 | 349.00 | 21.00 | 9.3 | 3 | 11.1950 |
| GVRD B1-TOP | 718105 | 4 | 240 | 50 | 190 | UTC | 2003/12/15 00:00 | 2004/01/05 00:00 | 2003/12/25 12:00 | 349.00 | 370.00 | 21.00 | 7.2 | 4 | 9.1525 |
| GVRD B1-TOP | 718105 | 5 | 240 | 50 | 190 | UTC | 2004/01/05 00:00 | 2004/01/26 00:00 | 2004/01/15 12:00 | 370.00 | 391.00 | 21.00 | 15.2 | 5 | 23.1237 |
| GVRD B1-TOP | 718105 | 6 | 240 | 50 | 190 | UTC | 2004/01/26 00:00 | 2004/02/16 00:00 | 2004/02/05 12:00 | 391.00 | 412.00 | 21.00 | 7.6 | 6 | 2.9936 |
| GVRD B1-TOP | 718105 | 7 | 240 | 50 | 190 | UTC | 2004/02/16 00:00 | 2004/03/08 00:00 | 2004/02/26 12:00 | 412.00 | 433.00 | 21.00 | 8.7 | 7 | 9.9790 |
| GVRD B1-TOP | 718105 | 8 | 240 | 50 | 190 | UTC | 2004/03/08 00:00 | 2004/03/29 00:00 | 2004/03/18 12:00 | 433.00 | 454.00 | 21.00 | 4.0 | 8 | 3.0772 |
| GVRD B1-TOP | 718105 | 9 | 240 | 50 | 190 | UTC | 2004/03/29 00:00 | 2004/04/19 00:00 | 2004/04/08 12:00 | 454.00 | 475.00 | 21.00 | 6.0 | 9 | 4.3676 |
| GVRD B1-TOP | 718105 | 10 | 240 | 50 | 190 | UTC | 2004/04/19 00:00 | 2004/04/28 16:40 | 2004/04/23 20:20 | 475.00 | 484.69 | 9.69 | 4.8 | 10 | 3.2033 |
| GVRD B1-BOT | 718106 | 1 | 239.8 | 20 | 220 | UTC | 2003/10/13 00:00 | 2003/11/03 00:00 | 2003/10/23 12:00 | 286.00 | 307.00 | 21.00 | 21.0 | 1 | 36.0649 |
| GVRD B1-BOT | 718106 | 2 | 239.8 | 20 | 220 | UTC | 2003/11/03 00:00 | 2003/11/24 00:00 | 2003/11/13 12:00 | 307.00 | 328.00 | 21.00 | 13.5 | 2 | 5.8098 |
| GVRD B1-BOT | 718106 | 3 | 239.8 | 20 | 220 | UTC | 2003/11/24 00:00 | 2003/12/15 00:00 | 2003/12/04 12:00 | 328.00 | 349.00 | 21.00 | 20.5 | 3 | 27.3159 |
| GVRD B1-BOT | 718106 | 4 | 239.8 | 20 | 220 | UTC | 2003/12/15 00:00 | 2004/01/05 00:00 | 2003/12/25 12:00 | 349.00 | 370.00 | 21.00 | 18.0 | 4 | 24.7866 |
| GVRD B1-BOT | 718106 | 5 | 239.8 | 20 | 220 | UTC | 2004/01/05 00:00 | 2004/01/26 00:00 | 2004/01/15 12:00 | 370.00 | 391.00 | 21.00 | 21.0 | 5 | 28.5045 |
| GVRD B1-BOT | 718106 | 6 | 239.8 | 20 | 220 | UTC | 2004/01/26 00:00 | 2004/02/16 00:00 | 2004/02/05 12:00 | 391.00 | 412.00 | 21.00 | 5.0 | 6 | 5.6603 |
| GVRD B1-BOT | 718106 | 7 | 239.8 | 20 | 220 | UTC | 2004/02/16 00:00 | 2004/03/08 00:00 | 2004/02/26 12:00 | 412.00 | 433.00 | 21.00 | 0.5 | 7 | 0.9797 |
| GVRD B1-BOT | 718106 | 8 | 239.8 | 20 | 220 | UTC | 2004/03/08 00:00 | 2004/03/29 00:00 | 2004/03/18 12:00 | 433.00 | 454.00 | 21.00 | 1.0 | 8 | 1.7654 |
| GVRD B1-BOT | 718106 | 9 | 239.8 | 20 | 220 | UTC | 2004/03/29 00:00 | 2004/04/19 00:00 | 2004/04/08 12:00 | 454.00 | 475.00 | 21.00 | 0.2 | 9 | 0.3012 |
| GVRD B1-BOT | 718106 | 10 | 239.8 | 20 | 220 | UTC | 2004/04/19 00:00 | 2004/04/28 16:40 | 2004/04/23 20:20 | 475.00 | 484.69 | 9.69 | 4.8 | 10 | 1.0929 |

Table 6: Continued.

| Station | Cup # | Fraction of sample rinsed, dried and weighed | Fraction reserved for contaminant analysis | Fraction archived wet | TDW (grams) | TDW_salt_corr | Baker trap collection area ($m^2$) | TDW flux ($g\ m^{-2}\ d^{-1}$) | TDW_flux_NaCl_corrected | avg %N_total | * | N_total_flux ($mg/m^2/day$) | avg %C_total | * | C_total_flux ($mg/m^2/day$) | avg %C_inorg_flux | * | C_inorg_flux ($mg/m^2/day$) | %org C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GVRD A1-TOP | 1 | 0.5 | 0.25 | 0.25 | 13.7052 | 13.6850 | 0.0320 | 20.3946 | 20.3646 | 0.179 | | 36.6012 | 1.842 | | 375.701 | 0.0733 | | 14.949 | 1.769 |
| GVRD A1-TOP | 2 | 0.5 | 0.25 | 0.25 | 7.3620 | 7.3532 | 0.0320 | 10.9553 | 10.9422 | 0.154 | | 16.9111 | 1.654 | | 181.179 | 0.0742 | | 8.131 | 1.580 |
| GVRD A1-TOP | 3 | 0.5 | 0.25 | 0.25 | 19.4296 | 19.4089 | 0.0320 | 28.9130 | 28.8823 | 0.146 | | 42.2303 | 1.621 | | 468.552 | 0.1098 | * | 31.748 | 1.511 |
| GVRD A1-TOP | 4 | 0.5 | 0.25 | 0.25 | 13.7923 | 13.7755 | 0.0320 | 20.5243 | 20.4992 | 0.155 | | 31.7898 | 1.635 | | 335.570 | 0.1034 | * | 21.217 | 1.532 |
| GVRD A1-TOP | 5 | 0.5 | 0.25 | 0.25 | 12.9422 | 12.9289 | 0.0320 | 19.2593 | 19.2395 | 0.197 | | 37.9774 | 1.976 | | 380.559 | 0.1039 | * | 20.014 | 1.872 |
| GVRD A1-TOP | 6 | 0.5 | 0.25 | 0.25 | 9.8444 | 9.8318 | 0.0320 | 14.6494 | 14.6307 | 0.153 | | 22.4013 | 1.755 | | 257.111 | 0.0872 | | 12.771 | 1.668 |
| GVRD A1-TOP | 7 | 0.5 | 0.25 | 0.25 | 32.6747 | 32.6411 | 0.0320 | 48.6231 | 48.5731 | 0.174 | * | 84.8267 | 1.733 | * | 842.631 | 0.1140 | * | 55.424 | 1.619 |
| GVRD A1-TOP | 8 | 0.5 | 0.25 | 0.25 | 12.7197 | 12.7033 | 0.0320 | 18.9282 | 18.9037 | 0.171 | | 32.3900 | 1.689 | | 319.656 | 0.0791 | | 14.968 | 1.610 |
| GVRD A1-TOP | 9 | 0.5 | 0.25 | 0.25 | 22.0148 | 21.9898 | 0.0320 | 32.7601 | 32.7229 | 0.198 | | 64.9702 | 1.817 | | 595.390 | 0.0948 | * | 31.046 | 1.723 |
| GVRD A1-TOP | 10 | 0.5 | 0.25 | 0.25 | 6.9934 | 6.9818 | 0.0320 | 22.7173 | 22.6796 | 0.221 | | 50.2277 | 2.071 | | 470.493 | 0.0630 | | 14.308 | 2.008 |
| GVRD A1-BOT | 1 | 0.5 | 0.25 | 0.25 | 33.2519 | 33.2125 | 0.0320 | 49.4821 | 49.4233 | 0.190 | | 94.1269 | 1.792 | | 886.694 | 0.1151 | | 58.954 | 1.677 |
| GVRD A1-BOT | 2 | 0.5 | 0.25 | 0.25 | 36.1495 | 36.1185 | 0.0320 | 53.7939 | 53.7478 | 0.176 | | 94.8338 | 1.729 | | 930.358 | 0.1155 | * | 62.121 | 1.614 |
| GVRD A1-BOT | 3 | 0.5 | 0.25 | 0.25 | 59.3672 | 59.3034 | 0.0320 | 88.3440 | 88.2491 | 0.171 | * | 151.1854 | 1.729 | * | 1527.667 | 0.1092 | | 96.472 | 1.620 |
| GVRD A1-BOT | 4 | 0.5 | 0.25 | 0.25 | 53.3179 | 53.2698 | 0.0320 | 79.3421 | 79.2706 | 0.153 | | 121.1193 | 1.606 | | 1274.393 | 0.1220 | | 96.797 | 1.484 |
| GVRD A1-BOT | 5 | 0.5 | 0.25 | 0.25 | 38.7906 | 38.7600 | 0.0320 | 57.7241 | 57.6786 | 0.170 | | 98.1632 | 1.724 | | 994.993 | 0.1320 | | 76.196 | 1.592 |
| GVRD A1-BOT | 6 | 0.5 | 0.25 | 0.25 | 28.8392 | 28.8142 | 0.0320 | 42.9155 | 42.8782 | 0.171 | | 73.3371 | 1.745 | | 748.986 | 0.1156 | | 49.610 | 1.630 |
| GVRD A1-BOT | 7 | 0.5 | 0.25 | 0.25 | 32.2356 | 32.1959 | 0.0320 | 47.9696 | 47.9105 | 0.174 | | 83.5993 | 1.753 | | 841.120 | 0.1152 | | 55.261 | 1.638 |
| GVRD A1-BOT | 8 | 0.5 | 0.25 | 0.25 | 31.3580 | 31.3160 | 0.0320 | 46.6637 | 46.6011 | 0.194 | | 90.5558 | 1.799 | | 839.398 | 0.1376 | | 64.209 | 1.661 |
| GVRD A1-BOT | 9 | 0.5 | 0.25 | 0.25 | 36.4442 | 36.4035 | 0.0320 | 54.2324 | 54.1718 | 0.220 | | 119.5767 | 1.912 | | 1036.991 | 0.1060 | | 57.486 | 1.806 |
| GVRD A1-BOT | 10 | 0 | 0.25 | 0.25 | | | 0.0320 | | | | | | | | | | | | |
| GVRD B1-TOP | 1 | 0.5 | 0.25 | 0.25 | 50.9344 | 50.8805 | 0.0320 | 75.7952 | 75.7150 | 0.141 | | 106.7492 | 1.579 | | 1196.494 | 0.1229 | * | 93.152 | 1.456 |
| GVRD B1-TOP | 2 | 0.5 | 0.25 | 0.25 | 12.0158 | 12.0013 | 0.0320 | 17.8806 | 17.8591 | 0.222 | | 39.7751 | 2.051 | | 366.696 | 0.0820 | | 14.653 | 1.969 |
| GVRD B1-TOP | 3 | 0.5 | 0.25 | 0.25 | 22.3900 | 22.3573 | 0.0320 | 33.3184 | 33.2698 | 0.233 | | 77.7310 | 2.096 | | 698.503 | 0.0885 | | 29.480 | 2.008 |
| GVRD B1-TOP | 4 | 0.5 | 0.25 | 0.25 | 18.3049 | 18.2867 | 0.0320 | 27.2395 | 27.2123 | 0.180 | | 49.0201 | 1.777 | | 484.140 | 0.0753 | | 20.514 | 1.702 |
| GVRD B1-TOP | 5 | 0.5 | 0.25 | 0.25 | 46.2474 | 46.1895 | 0.0320 | 68.8205 | 68.7344 | 0.184 | | 126.5932 | 1.726 | | 1187.624 | 0.0798 | | 54.931 | 1.846 |
| GVRD B1-TOP | 6 | 0.5 | 0.25 | 0.25 | 5.9873 | 5.9783 | 0.0320 | 8.9096 | 8.8963 | 0.238 | | 21.2340 | 2.202 | | 196.156 | 0.0590 | | 5.256 | 2.143 |
| GVRD B1-TOP | 7 | 0.5 | 0.25 | 0.25 | 19.9580 | 19.9345 | 0.0320 | 29.6994 | 29.6644 | 0.222 | | 65.8732 | 2.033 | | 603.839 | 0.0482 | | 14.301 | 1.985 |
| GVRD B1-TOP | 8 | 0.5 | 0.25 | 0.25 | 6.1544 | 6.1455 | 0.0320 | 9.1583 | 9.1451 | 0.297 | | 27.2257 | 2.465 | | 225.763 | 0.0483 | | 4.425 | 2.417 |
| GVRD B1-TOP | 9 | 0.5 | 0.25 | 0.25 | 8.7352 | 8.7261 | 0.0320 | 12.9988 | 12.9853 | 0.281 | * | 36.5848 | 2.247 | * | 292.075 | 0.0409 | * | 5.314 | 2.206 |
| GVRD B1-TOP | 10 | 0.5 | 0.25 | 0.25 | 6.4066 | 6.3979 | 0.0320 | 20.6516 | 20.6236 | 0.240 | | 49.5683 | 2.107 | | 435.205 | 0.0555 | | 11.466 | 2.052 |
| GVRD B1-BOT | 1 | 0.5 | 0.25 | 0.25 | 72.1299 | 72.0592 | 0.0320 | 107.3361 | 107.2309 | 0.164 | * | 175.7821 | 1.681 | * | 1804.350 | 0.1063 | * | 114.100 | 1.575 |
| GVRD B1-BOT | 2 | 0.5 | 0.25 | 0.25 | 11.6195 | 11.6195 | 0.0320 | 17.2910 | 17.2910 | 0.212 | | 36.7397 | 2.019 | | 349.170 | 0.0898 | | 15.534 | 1.930 |
| GVRD B1-BOT | 3 | 0.5 | 0.25 | 0.25 | 54.6317 | 54.5849 | 0.0320 | 81.2972 | 81.2275 | 0.216 | | 175.9462 | 1.966 | | 1598.380 | 0.0925 | | 75.200 | 1.874 |
| GVRD B1-BOT | 4 | 0.5 | 0.25 | 0.25 | 49.5732 | 49.5305 | 0.0320 | 73.7696 | 73.7061 | 0.212 | | 156.1741 | 1.982 | | 1461.945 | 0.0965 | | 71.188 | 1.885 |
| GVRD B1-BOT | 5 | 0.5 | 0.25 | 0.25 | 57.0091 | 56.9621 | 0.0320 | 84.8349 | 84.7650 | 0.226 | | 191.3054 | 2.092 | | 1774.496 | 0.0929 | | 78.815 | 1.999 |
| GVRD B1-BOT | 6 | 0.5 | 0.25 | 0.25 | 11.3206 | 11.3091 | 0.0320 | 16.8461 | 16.8290 | 0.217 | | 36.5003 | 1.989 | | 335.071 | 0.0558 | | 9.395 | 1.933 |
| GVRD B1-BOT | 7 | 1 | 0 | 0 | 0.9797 | 0.9797 | 0.0320 | 1.4579 | 1.4579 | 0.247 | | 3.5991 | 2.251 | | 32.815 | 0.0497 | | 0.725 | 2.201 |
| GVRD B1-BOT | 8 | 1 | 0 | 0 | 1.7654 | 1.7637 | 0.0320 | 2.6270 | 2.6245 | 0.244 | | 6.3992 | 2.203 | | 57.872 | 0.0524 | * | 1.377 | 2.151 |
| GVRD B1-BOT | 9 | 1 | 0 | 0 | 0.3012 | 0.3012 | 0.0320 | 0.4482 | 0.4482 | 0.253 | | 1.1337 | 2.331 | | 10.446 | 0.0435 | * | 0.195 | 2.287 |
| GVRD B1-BOT | 10 | 1 | 0 | 0 | 1.0929 | 1.0915 | 0.0320 | 3.5229 | 3.5185 | 0.251 | | 8.8419 | 2.222 | | 78.263 | 0.0442 | | 1.558 | 2.177 |

Table 6: Continued.

| Station | Cup # | C_organic flux ($mg/m^2/day$) | org C/N weight/o | C/N_ratio_ atomic | %Si (opal) | * | %Si_biogenic _flux ($mg/m^2/day$) | % Opal | * | Opal_flux ($mg/m^2/day$) | avg $d^{15}N$ va air (ppt) | * | avg $d^{13}Corg$ v PDB (ppt) | * | avg %Cl | * | %NaCl | Al (%) | Fe (%) | Mg (%) | Ca (%) | Ba (mg/g) | Mn (mg/g) | Cd (mg/g) | Mo (mg/g) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GVRD A1-TOP | 1 | 360.751 | 9.856 | 11.494 | 2.420 | | 493.479 | 5.807 | | 1184.349 | 3.17 | * | -24.31 | * | 0.089 | | 0.147 | 7.92 | 4.88 | 1.77 | 1.68 | 617 | 553 | 0.325 | 1.50 |
| GVRD A1-TOP | 2 | 173.048 | 10.233 | 11.933 | 2.422 | | 265.374 | 5.814 | | 636.897 | 4.52 | | -24.43 | | 0.073 | | 0.120 | 7.93 | 4.88 | 1.76 | 1.62 | 616 | 606 | 0.370 | 1.36 |
| GVRD A1-TOP | 3 | 436.804 | 10.343 | 12.062 | 2.394 | | 692.212 | 5.746 | | 1661.308 | 3.88 | | -24.39 | | 0.064 | | 0.106 | 7.83 | 4.58 | 1.69 | 1.71 | 594 | 535 | 0.290 | 1.19 |
| GVRD A1-TOP | 4 | 314.353 | 9.888 | 11.532 | 2.372 | | 486.932 | 5.694 | | 1168.636 | 4.15 | | -24.18 | | 0.074 | | 0.122 | 7.51 | 4.57 | 1.71 | 1.76 | 578 | 506 | 0.344 | 0.68 |
| GVRD A1-TOP | 5 | 360.545 | 9.494 | 11.071 | 2.804 | | 540.041 | 6.730 | | 1296.097 | 4.74 | | -23.22 | | 0.062 | | 0.103 | 7.38 | 4.61 | 1.66 | 1.68 | 555 | 544 | 0.268 | 1.27 |
| GVRD A1-TOP | 6 | 244.340 | 10.907 | 12.720 | 2.918 | | 427.532 | 7.004 | | 1026.077 | 3.65 | | -23.71 | | 0.078 | | 0.126 | 7.78 | 4.80 | 1.73 | 1.75 | 597 | 607 | 0.218 | 1.17 |
| GVRD A1-TOP | 7 | 787.206 | 9.280 | 10.822 | 2.712 | * | 1318.801 | 6.510 | * | 3165.122 | 3.49 | | -23.83 | | 0.062 | * | 0.103 | 7.64 | 4.75 | 1.70 | 1.77 | 588 | 585 | 0.212 | 1.08 |
| GVRD A1-TOP | 8 | 304.688 | 9.407 | 10.970 | 4.234 | | 801.343 | 10.161 | | 1923.223 | 3.86 | | -23.08 | | 0.078 | | 0.129 | 7.18 | 4.41 | 1.65 | 1.68 | 562 | 500 | 0.251 | 1.01 |
| GVRD A1-TOP | 9 | 564.344 | 8.686 | 10.130 | 3.893 | | 1275.390 | 9.343 | | 3060.936 | 4.41 | * | -22.76 | * | 0.069 | | 0.114 | 7.30 | 4.57 | 1.67 | 1.85 | 578 | 550 | 0.248 | 1.19 |
| GVRD A1-TOP | 10 | 456.185 | 9.082 | 10.592 | 4.130 | | 938.179 | 9.912 | | 2251.630 | 4.41 | | -22.65 | | 0.100 | | 0.166 | 7.33 | 4.67 | 1.67 | 1.50 | 580 | 609 | 0.209 | 1.25 |
| GVRD A1-BOT | 1 | 829.740 | 8.815 | 10.280 | 2.373 | | 1174.012 | 5.694 | | 2817.630 | 3.77 | * | -23.87 | * | 0.072 | | 0.119 | 7.30 | 4.50 | 1.57 | 1.82 | 610 | 595 | 0.392 | 1.27 |
| GVRD A1-BOT | 2 | 868.238 | 9.155 | 10.677 | 5.345 | | 2875.434 | 12.829 | | 6901.042 | 3.41 | | -23.83 | | 0.052 | | 0.086 | 7.15 | 4.41 | 1.57 | 1.64 | 583 | 543 | 0.330 | 1.42 |
| GVRD A1-BOT | 3 | 1431.195 | 9.466 | 11.040 | 2.866 | * | 2531.755 | 6.878 | * | 6076.211 | 3.32 | | -23.69 | | 0.065 | * | 0.107 | 7.00 | 4.24 | 1.44 | 1.66 | 566 | 517 | 0.328 | 1.12 |
| GVRD A1-BOT | 4 | 1177.595 | 9.723 | 11.338 | 2.731 | | 2167.216 | 6.556 | | 5201.318 | 3.57 | | -23.71 | | 0.055 | | 0.090 | 7.40 | 4.67 | 1.55 | 1.51 | 567 | 521 | 0.293 | 1.09 |
| GVRD A1-BOT | 5 | 918.797 | 9.360 | 10.915 | 2.395 | | 1382.610 | 5.748 | | 3318.264 | 4.13 | | -23.51 | | 0.048 | | 0.079 | 7.59 | 4.67 | 1.55 | 1.55 | 558 | 515 | 0.278 | 1.21 |
| GVRD A1-BOT | 6 | 699.376 | 9.536 | 11.121 | 3.118 | | 1338.131 | 7.483 | | 3211.514 | 4.00 | | -23.57 | | 0.053 | | 0.087 | 6.95 | 4.47 | 1.53 | 1.40 | 567 | 528 | 0.249 | 1.08 |
| GVRD A1-BOT | 7 | 785.859 | 9.400 | 10.962 | 2.434 | | 1167.457 | 5.841 | | 2801.897 | 3.66 | | -23.46 | | 0.075 | | 0.123 | 7.00 | 4.36 | 1.49 | 1.30 | 577 | 535 | 0.226 | 1.14 |
| GVRD A1-BOT | 8 | 775.188 | 8.560 | 9.983 | 3.195 | | 1490.954 | 7.668 | | 3578.289 | 3.99 | | -22.93 | | 0.081 | | 0.134 | 7.19 | 4.45 | 1.56 | 1.42 | 570 | 551 | 0.259 | 1.02 |
| GVRD A1-BOT | 9 | 979.504 | 8.191 | 9.553 | 4.721 | | 2560.424 | 11.331 | | 6145.019 | 4.73 | * | -22.33 | * | 0.068 | * | 0.112 | 7.50 | 4.47 | 1.64 | 1.69 | 554 | 523 | 0.256 | 1.10 |
| GVRD A1-BOT | 10 | | | | | | | | | | 4.14 | | | | | | | | | | | | | | |
| GVRD B1-TOP | 1 | 1103.341 | 10.336 | 12.053 | 2.778 | | 2105.726 | 6.668 | | 5053.743 | 4.51 | * | -24.30 | * | 0.064 | * | 0.106 | 7.38 | 4.37 | 1.67 | 1.63 | 568 | 587 | 0.269 | 1.12 |
| GVRD B1-TOP | 2 | 352.043 | 8.851 | 10.322 | 4.532 | | 810.374 | 10.877 | | 1944.898 | 6.22 | | -22.51 | | 0.073 | | 0.120 | 7.52 | 4.61 | 1.60 | 1.46 | 531 | 601 | 0.245 | 1.22 |
| GVRD B1-TOP | 3 | 669.023 | 8.607 | 10.037 | 4.993 | | 1663.588 | 11.983 | | 3992.611 | 6.19 | | -22.58 | | 0.088 | | 0.146 | 7.30 | 4.50 | 1.57 | 1.62 | 478 | 592 | 0.238 | 1.07 |
| GVRD B1-TOP | 4 | 463.626 | 9.458 | 11.030 | 4.081 | | 1111.557 | 9.794 | | 2667.737 | 5.43 | | -25.60 | | 0.061 | | 0.100 | 7.15 | 4.41 | 1.57 | 1.64 | 497 | 723 | 0.245 | 0.99 |
| GVRD B1-TOP | 5 | 1132.693 | 8.947 | 10.434 | 4.221 | | 2905.220 | 10.131 | | 6972.527 | 5.90 | | -22.59 | | 0.076 | | 0.125 | 7.00 | 4.24 | 1.44 | 1.66 | 456 | 573 | 0.214 | 0.84 |
| GVRD B1-TOP | 6 | 190.899 | 8.990 | 10.484 | 4.938 | | 439.943 | 11.851 | | 1055.864 | 5.98 | | -22.46 | | 0.091 | | 0.150 | 7.40 | 4.67 | 1.55 | 1.51 | 473 | 817 | 0.230 | 1.12 |
| GVRD B1-TOP | 7 | 589.538 | 8.950 | 10.437 | 4.491 | | 1333.656 | 10.777 | | 3200.774 | 5.92 | | -22.76 | | 0.072 | | 0.118 | 7.59 | 4.67 | 1.55 | 1.55 | 470 | 770 | 0.220 | 1.05 |
| GVRD B1-TOP | 8 | 221.337 | 8.130 | 9.481 | 6.707 | | 614.232 | 16.096 | | 1474.157 | 6.08 | | -22.19 | | 0.087 | | 0.144 | 6.95 | 4.47 | 1.53 | 1.40 | 461 | 971 | 0.228 | 1.04 |
| GVRD B1-TOP | 9 | 286.761 | 7.838 | 9.141 | 6.631 | * | 862.014 | 15.916 | * | 2068.834 | 6.10 | * | -22.16 | * | 0.063 | * | 0.104 | 7.00 | 4.36 | 1.49 | 1.30 | 471 | 583 | 0.259 | 1.11 |
| GVRD B1-TOP | 10 | 423.739 | 8.549 | 9.969 | 5.133 | | 1060.124 | 12.320 | | 2544.297 | 5.75 | | -22.02 | | 0.082 | | 0.136 | 7.19 | 4.45 | 1.56 | 1.42 | 503 | 676 | 0.233 | 1.00 |
| GVRD B1-BOT | 1 | 1690.250 | 9.616 | 11.214 | 3.607 | * | 3871.650 | 8.657 | * | 9291.960 | 4.92 | * | -23.57 | * | 0.059 | * | 0.098 | 7.50 | 4.47 | 1.64 | 1.69 | 548 | 583 | 0.270 | 1.10 |
| GVRD B1-BOT | 2 | 333.636 | 9.081 | 10.590 | 2.586 | | 447.193 | 6.207 | | 1073.262 | 5.76 | | -23.04 | | | | | 7.40 | 4.53 | 1.59 | 1.54 | 515 | 590 | 0.267 | 1.07 |
| GVRD B1-BOT | 3 | 1523.181 | 8.657 | 10.096 | 2.795 | | 2272.601 | 6.709 | | 5454.242 | 6.24 | | -22.45 | | 0.052 | | 0.086 | 6.77 | 4.18 | 1.41 | 1.51 | 430 | 531 | 0.238 | 0.92 |
| GVRD B1-BOT | 4 | 1390.758 | 8.905 | 10.385 | 3.659 | | 2699.576 | 8.783 | | 6478.981 | 6.13 | | -22.56 | | 0.052 | | 0.086 | 7.25 | 4.51 | 1.54 | 1.64 | 484 | 601 | 0.254 | 0.94 |
| GVRD B1-BOT | 5 | 1695.681 | 8.864 | 10.337 | 4.780 | | 4055.207 | 11.472 | | 9732.497 | 6.22 | | -22.42 | | 0.050 | | 0.082 | 7.16 | 4.46 | 1.52 | 1.65 | 458 | 575 | 0.242 | 0.93 |
| GVRD B1-BOT | 6 | 325.676 | 8.923 | 10.405 | 4.229 | | 712.492 | 10.151 | | 1709.982 | 6.10 | | -22.49 | * | 0.062 | * | 0.102 | 7.32 | 4.52 | 1.54 | 1.62 | 454 | 735 | 0.249 | 0.93 |
| GVRD B1-BOT | 7 | 32.091 | 8.916 | 10.398 | 4.799 | | 69.963 | 11.517 | | 167.912 | 6.00 | * | -22.50 | | | | | 7.41 | 4.68 | 1.60 | 1.50 | 456 | 815 | 0.258 | 1.05 |
| GVRD B1-BOT | 8 | 56.495 | 8.829 | 10.296 | 4.941 | | 129.790 | 11.857 | | 311.496 | 6.10 | | -22.48 | | 0.058 | | 0.095 | 7.36 | 4.60 | 1.56 | 1.50 | 455 | 736 | 0.234 | 0.95 |
| GVRD B1-BOT | 9 | 10.251 | 9.042 | 10.545 | 4.626 | | 20.734 | 11.103 | | 49.762 | | | | | | | | 7.42 | 4.74 | 1.57 | 1.49 | 473 | 740 | 0.358 | 1.27 |
| GVRD B1-BOT | 10 | 76.705 | 8.675 | 10.117 | 4.315 | | 152.002 | 10.355 | | 364.804 | 6.20 | | -22.34 | | 0.074 | | 0.123 | 7.39 | 4.61 | 1.58 | 1.51 | 456 | 726 | 0.263 | 1.05 |

Table 6: Continued.

| Station | U (mg/g) | Cup # | Re (ng/g) | As (mg/g) | Ag (mg/g) | Co (mg/g) | Cr (mg/g) | Ni (mg/g) | Cu (mg/g) | Zn (mg/g) | Pb (mg/g) | K (%) | Na (%) | Ti (mg/g) | S (mg/g) | P (mg/g) | Ratio %OC/%Al | Ratio %OC/%Si (opal) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GVRD A1-TOP | 1.87 | 1 | 2.57 | 10.95 | 0.558 | 17.8 | 75.4 | 53.8 | 41.5 | 126.6 | 16.9 | 1.77 | 1.61 | 4067 | 5191 | 1097 | 0.22 | 0.73 |
| GVRD A1-TOP | 1.87 | 2 | 2.54 | 11.50 | 0.416 | 17.5 | 62.9 | 54.2 | 35.1 | 120.0 | 16.3 | 1.78 | 1.54 | 4128 | 1092 | 1138 | 0.20 | 0.65 |
| GVRD A1-TOP | 1.79 | 3 | 2.90 | 9.76 | 0.467 | 16.7 | 57.5 | 52.9 | 33.5 | 112.3 | 14.8 | 1.66 | 1.62 | 4206 | 2852 | 963 | 0.20 | 0.63 |
| GVRD A1-TOP | 1.84 | 4 | 2.61 | 8.24 | 0.432 | 15.2 | 64.6 | 48.6 | 30.0 | 110.8 | 14.7 | 1.64 | 1.59 | 4294 | 2875 | 1028 | 0.20 | 0.65 |
| GVRD A1-TOP | 1.83 | 5 | 3.12 | 9.03 | 0.407 | 15.6 | 61.5 | 51.1 | 34.0 | 112.9 | 17.0 | 1.57 | 1.64 | 4121 | 1802 | 1080 | 0.25 | 0.67 |
| GVRD A1-TOP | 1.83 | 6 | 2.50 | 9.63 | 0.373 | 15.7 | 68.8 | 49.7 | 32.5 | 114.9 | 16.4 | 1.64 | 1.58 | 4392 | 1166 | 1082 | 0.21 | 0.57 |
| GVRD A1-TOP | 1.80 | 7 | 2.90 | 9.64 | 0.377 | 16.0 | 78.4 | 50.9 | 31.3 | 112.4 | 16.8 | 1.65 | 1.66 | 4381 | 2803 | 1057 | 0.21 | 0.60 |
| GVRD A1-TOP | 1.78 | 8 | 2.32 | 8.48 | 0.368 | 15.2 | 88.3 | 49.0 | 29.9 | 108.7 | 16.3 | 1.58 | 1.40 | 4142 | 2252 | 1015 | 0.22 | 0.38 |
| GVRD A1-TOP | 1.70 | 9 | 2.72 | 8.40 | 0.390 | 15.6 | 86.7 | 51.0 | 30.2 | 112.4 | 16.0 | 1.62 | 1.50 | 4095 | 4748 | 960 | 0.24 | 0.44 |
| GVRD A1-TOP | 1.93 | 10 | 2.41 | 10.94 | 0.453 | 16.5 | 69.2 | 53.7 | 35.2 | 118.9 | 16.5 | 1.83 | 1.47 | 4024 | 1069 | 1201 | 0.27 | 0.49 |
| GVRD A1-BOT | 1.81 | 1 | 2.69 | 10.60 | 0.559 | 16.9 | 67.8 | 52.4 | 38.8 | 118.1 | 15.9 | 1.06 | 1.70 | 4119 | 4991 | 1114 | 0.23 | 0.71 |
| GVRD A1-BOT | 1.82 | 2 | 2.91 | 9.29 | 0.508 | 21.8 | 76.4 | 52.3 | 38.5 | 113.6 | 15.6 | 1.06 | 1.58 | 4144 | 5071 | 905 | 0.23 | 0.30 |
| GVRD A1-BOT | 1.72 | 3 | 2.85 | 8.56 | 0.535 | 20.9 | 69.1 | 49.7 | 34.8 | 105.9 | 14.6 | 1.08 | 1.55 | 4155 | 3629 | 902 | 0.23 | 0.57 |
| GVRD A1-BOT | 1.70 | 4 | 3.02 | 8.83 | 0.473 | 20.6 | 68.3 | 49.9 | 31.9 | 105.8 | 14.3 | 1.06 | 1.66 | 4193 | 3183 | 945 | 0.20 | 0.54 |
| GVRD A1-BOT | 1.93 | 5 | 3.09 | 8.48 | 0.457 | 20.4 | 76.9 | 49.5 | 31.4 | 103.6 | 14.7 | 1.09 | 1.65 | 4100 | 3941 | 946 | 0.21 | 0.66 |
| GVRD A1-BOT | 1.82 | 6 | 2.86 | 10.55 | 0.470 | 20.9 | 86.6 | 51.3 | 32.7 | 107.7 | 15.8 | 1.08 | 1.61 | 4020 | 3224 | 1038 | 0.23 | 0.52 |
| GVRD A1-BOT | 1.87 | 7 | 2.68 | 9.49 | 0.401 | 21.1 | 85.2 | 51.1 | 31.1 | 106.5 | 15.4 | 1.10 | 1.51 | 4197 | 3297 | 1008 | 0.23 | 0.67 |
| GVRD A1-BOT | 1.83 | 8 | 2.81 | 9.67 | 0.417 | 20.8 | 94.4 | 49.9 | 31.3 | 110.2 | 16.1 | 1.08 | 1.54 | 4121 | 3861 | 1101 | 0.23 | 0.52 |
| GVRD A1-BOT | 1.66 | 9 | 2.78 | 8.24 | 0.449 | 20.7 | 69.6 | 51.5 | 31.0 | 105.6 | 15.1 | 1.11 | 1.50 | 3954 | 4521 | 883 | 0.24 | 0.38 |
| GVRD A1-BOT | | 10 | | | | | | | | | | | | | | | | |
| GVRD B1-TOP | 1.78 | 1 | 2.48 | 10.25 | 0.269 | 17.0 | 63.2 | 53.8 | 29.8 | 99.9 | 16.9 | 1.63 | 1.61 | 4053 | 2302 | 880 | 0.20 | 0.52 |
| GVRD B1-TOP | 1.74 | 2 | 2.77 | 12.08 | 0.245 | 16.1 | 55.4 | 54.2 | 28.9 | 109.8 | 16.3 | 1.60 | 1.54 | 4100 | 1479 | 1111 | 0.26 | 0.43 |
| GVRD B1-TOP | 1.71 | 3 | 3.44 | 7.93 | 0.238 | 14.3 | 48.2 | 52.9 | 25.2 | 105.9 | 14.8 | 1.49 | 1.62 | 4142 | 5877 | 842 | 0.28 | 0.40 |
| GVRD B1-TOP | 1.66 | 4 | 2.68 | 9.10 | 0.245 | 14.6 | 63.1 | 48.6 | 21.8 | 101.0 | 14.7 | 1.48 | 1.59 | 4174 | 1545 | 965 | 0.24 | 0.42 |
| GVRD B1-TOP | 1.56 | 5 | 3.15 | 8.46 | 0.214 | 13.3 | 54.3 | 51.1 | 18.4 | 94.8 | 17.0 | 1.36 | 1.64 | 4237 | 1898 | 906 | 0.24 | 0.39 |
| GVRD B1-TOP | 1.63 | 6 | 2.88 | 11.50 | 0.230 | 14.3 | 63.6 | 49.7 | 41.2 | 108.5 | 16.4 | 1.44 | 1.58 | 4291 | 1717 | 1040 | 0.29 | 0.43 |
| GVRD B1-TOP | 1.64 | 7 | 3.34 | 10.71 | 0.220 | 14.1 | 61.4 | 50.9 | 22.7 | 117.2 | 16.6 | 1.44 | 1.66 | 4438 | 1747 | 994 | 0.26 | 0.44 |
| GVRD B1-TOP | 1.73 | 8 | 2.38 | 10.92 | 0.228 | 14.1 | 67.4 | 49.0 | 24.2 | 115.0 | 16.3 | 1.39 | 1.40 | 4005 | 1564 | 1126 | 0.35 | 0.36 |
| GVRD B1-TOP | 1.72 | 9 | 2.85 | 10.93 | 0.259 | 14.0 | 67.4 | 51.0 | 22.6 | 107.4 | 16.0 | 1.40 | 1.50 | 4113 | 2095 | 1093 | 0.32 | 0.33 |
| GVRD B1-TOP | 1.77 | 10 | 2.54 | 9.46 | 0.233 | 14.8 | 72.1 | 53.7 | 23.1 | 105.6 | 16.5 | 1.46 | 1.47 | 4066 | 1526 | 979 | 0.29 | 0.40 |
| GVRD B1-BOT | 1.75 | 1 | 3.54 | 10.06 | 0.270 | 16.1 | 76.7 | 52.4 | 26.5 | 102.5 | 15.9 | 1.60 | 1.70 | 4176 | 2279 | 855 | 0.21 | 0.44 |
| GVRD B1-BOT | 1.73 | 2 | 3.37 | 11.01 | 0.267 | 15.5 | 73.1 | 52.3 | 30.4 | 105.7 | 15.6 | 1.57 | 1.58 | 4178 | 2983 | 946 | 0.26 | 0.75 |
| GVRD B1-BOT | 1.57 | 3 | 3.60 | 10.01 | 0.238 | 13.5 | 68.7 | 49.7 | 21.9 | 96.8 | 14.6 | 1.35 | 1.55 | 4022 | 2735 | 939 | 0.28 | 0.67 |
| GVRD B1-BOT | 1.63 | 4 | 3.47 | 10.29 | 0.254 | 14.4 | 69.6 | 49.9 | 23.3 | 102.9 | 14.3 | 1.44 | 1.66 | 4295 | 3180 | 985 | 0.26 | 0.52 |
| GVRD B1-BOT | 1.58 | 5 | 3.71 | 10.24 | 0.242 | 13.9 | 24.6 | 49.5 | 21.5 | 99.7 | 14.7 | 1.42 | 1.65 | 4337 | 2565 | 985 | 0.28 | 0.42 |
| GVRD B1-BOT | 1.63 | 6 | 2.50 | 10.74 | 0.249 | 13.8 | 89.9 | 51.3 | 24.4 | 102.5 | 15.8 | 1.40 | 1.61 | 4380 | 1814 | 948 | 0.26 | 0.46 |
| GVRD B1-BOT | 1.75 | 7 | 2.76 | 12.22 | 0.258 | 14.6 | 74.5 | 51.1 | 26.8 | 114.9 | 15.4 | 1.41 | 1.51 | 4424 | 1870 | 975 | 0.30 | 0.46 |
| GVRD B1-BOT | 1.59 | 8 | 2.90 | 11.74 | 0.234 | 14.1 | 71.8 | 49.6 | 24.1 | 104.9 | 16.1 | 1.39 | 1.54 | 4280 | 1711 | 984 | 0.29 | 0.44 |
| GVRD B1-BOT | 1.72 | 9 | 3.12 | 11.85 | 0.358 | 14.6 | 90.5 | 51.5 | 25.8 | 157.2 | 15.1 | 1.39 | 1.50 | 4443 | 1795 | 918 | 0.31 | 0.49 |
| GVRD B1-BOT | 1.70 | 10 | 2.98 | 10.99 | 0.263 | 14.4 | 69.5 | 51.4 | 22.9 | 114.0 | 13.4 | 1.38 | 1.54 | 4396 | 1724 | 956 | 0.29 | 0.50 |

Table 7. Results of the PCB analysis. All congeners are reported in pg/g. NQ = data not quantifiable; < = less than detection limit; NDR = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration.

| Sample Depth (cm) | CL1-PCB-1 | CL1-PCB-2 | CL1-PCB-3 | CL3-PCB-4 | CL3-PCB-5 | CL3-PCB-6 | CL3-PCB-7 | CL3-PCB-8 | CL3-PCB-9 | CL3-PCB-10 | CL3-PCB-11 | CL3-PCB-12/13 | CL3-PCB-14 | CL3-PCB-15 | CL3-PCB-16 | CL3-PCB-17 | CL3-PCB-18/30 | CL3-PCB-19 | CL3-PCB-20/28 | CL3-PCB-21/33 | CL3-PCB-22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | 22.8 | NQ | NQ | NQ | NQ | NQ | NQ | NQ |
| 1-2 | 2.95 | 3.85 | 3.7 | 7.2 | < 0.289 | 2.95 | 0.725 | 14.2 | 0.653 | 0.361 | NDR 6.37 | 3.93 | 0.428 | 18.8 | 4.92 | 7.82 | 11.9 | 2.22 | 55 | 19.5 | 11.4 |
| 3-4 | 4.33 | 5.5 | 4.79 | 11 | 0.267 | 4.04 | 1.2 | 21.1 | 0.804 | 0.382 | 8.58 | 6.55 | 0.611 | 28.9 | 6.78 | 10.3 | 14.7 | 3.58 | 82.2 | 29.3 | 15.6 |
| 6-7 | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | 29.5 | 5.5 | 7.88 | 10.6 | 4.18 | 74.8 | 29.5 | 15.4 |
| 9-10 | 5.74 | 4.94 | 5.21 | 15.4 | 0.361 | 5.8 | 1.57 | 26.8 | 1.11 | 0.627 | 5.35 | 7.2 | 0.626 | 30 | 8.64 | 14.4 | 15.9 | 4.93 | 94.2 | 35.8 | 17.8 |
| 12-14 | 5.67 | 4.37 | 6.2 | 21.2 | 0.325 | 7.44 | 1.77 | 29.4 | 1.32 | 0.779 | 4.13 | 8.17 | 0.725 | 31.6 | 10.1 | 17.7 | 22.1 | 5.97 | 105 | 42.3 | 19.4 |
| 14-16 | 3.45 | 3.45 | 3.71 | 14.5 | 0.236 | 4.56 | 1.3 | 17.1 | 0.794 | 0.66 | NDR 2.47 | 5.28 | 0.57 | 17 | 6.28 | 12.9 | 15 | 4.46 | 60.5 | 23.6 | 11.3 |
| 16-20 | NQ | NQ | 2.47 | 5.98 | < 0.164 | 1.53 | 0.373 | 5.1 | NDR 0.185 | 0.181 | 1.52 | 2.13 | 0.605 | 4.62 | 1.99 | 3.37 | 4.09 | 1.63 | 17.2 | 7.29 | 3.43 |
| 25-30 | 1.03 | 1.92 | 1.62 | 0.478 | < 0.205 | < 0.190 | NDR 0.285 | 0.511 | < 0.188 | < 0.200 | 1.21 | NDR 0.458 | 0.415 | 0.62 | 0.267 | 0.332 | 0.505 | 0.212 | 1.41 | 0.614 | 0.49 |
| 40-55 | 0.332 | 1.55 | NDR 0.903 | 0.283 | < 0.103 | NDR 0.203 | 0.378 | 0.513 | < 0.0969 | < 0.0978 | NDR 1.53 | NDR 0.485 | 0.395 | 0.433 | 0.25 | 0.346 | 0.599 | NDR 0.168 | 1.38 | 0.563 | 0.36 |
| **Core 2** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 3.98 | 1.2 | 3.34 | 5.29 | 0.19 | 2.59 | 0.647 | 18.1 | 0.627 | 0.144 | 7.99 | 2.22 | < 0.0722 | 18.3 | 6.4 | 9.64 | 14.9 | 2.49 | 59.2 | 23.6 | 16 |
| 1-2 | 9.05 | 2.46 | 8.03 | 10.1 | 0.576 | 5.36 | 1.58 | 37.4 | NDR 1.50 | 0.451 | 12.7 | 4.37 | NDR 0.135 | 37.1 | 11 | 15.9 | 25.2 | 3.68 | 97.3 | 36.4 | 27 |
| 3-4 | 8.32 | 2.37 | NDR 6.88 | 10.3 | NDR 0.335 | 4.65 | 1.36 | 36.9 | 1.13 | 0.285 | 12.4 | 4.36 | NDR 0.119 | 33.3 | 10.7 | 14.7 | 23.9 | 3.82 | 98 | 38.5 | 26.2 |
| 6-7 | | | | | | | | | | | | | | 47 | 10.3 | 14.5 | 20.5 | 5.33 | 121 | 46.9 | 34 |
| 9-10 | 14.9 | 3.53 | 11.3 | 17 | 0.603 | 8.18 | 2.3 | 63.7 | 1.82 | 0.508 | 17.5 | 7.06 | NDR 0.178 | 65.6 | 15.7 | 24.3 | 35.2 | 5.34 | 162 | 55.5 | 42.2 |
| 12-14 | 15.6 | 2.56 | 9.81 | 22.1 | 0.701 | 8.35 | 2.33 | 64.7 | 2.14 | 0.571 | 11.1 | 6.2 | NDR 0.126 | 55.4 | 19 | 27.5 | 40.7 | 9.74 | 144 | 58.2 | 39.7 |
| 14-16 | 31.5 | 4.03 | 16.5 | 37.4 | 1.05 | 14.3 | 4.34 | 106 | 3.69 | 1.1 | 9.58 | 9.1 | 0.172 | 73 | 26.8 | 51.6 | 68 | 11.8 | 219 | 77.4 | 57.3 |
| 14-16 (Duplicate) | 31.3 | 4.27 | 17 | 37.9 | 1.19 | 14.1 | 4.66 | 119 | 3.85 | 1.08 | 12.3 | 10.1 | 0.195 | 79.3 | 30.1 | 56 | 74.5 | 12.9 | 250 | 91.7 | 67.8 |
| 16-20 | | 5.43 | 22.1 | 47.9 | 1.04 | 14.5 | 5.79 | 159 | 3.59 | NDR 0.651 | 5.82 | 12.1 | NDR 0.279 | 73.6 | 26.5 | 52.8 | 66.1 | 12 | 265 | 91.6 | 61.4 |
| 25-30 | 2.81 | 1.93 | 2.64 | 3.4 | NDR 0.077 | 0.449 | NDR 0.218 | 3.26 | 0.091 | < 0.0688 | 1.41 | NDR 0.943 | NDR 0.117 | 1.36 | 0.733 | 2.08 | 2.06 | 0.984 | 4.78 | 2.12 | 1.23 |
| 35-40 | 0.478 | 0.946 | NDR 0.977 | 0.301 | < 0.106 | < 0.101 | 0.291 | 0.365 | < 0.100 | < 0.101 | NDR 1.71 | NDR 0.421 | < 0.105 | 0.27 | NDR 0.136 | 0.252 | 0.297 | 0.123 | 0.554 | 0.277 | 0.172 |
| **Core 3** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 2.71 | 1.76 | 3.12 | 2.94 | 0.177 | 2.14 | 0.673 | 11.6 | 0.542 | 0.104 | 16.5 | 1.78 | 0.096 | 13.9 | 4.26 | 5.82 | 9.76 | 1.04 | 36.5 | 16.1 | 10.7 |
| 1-2 | 1.97 | 1.44 | 2.56 | 2.93 | 0.186 | 2.14 | 0.578 | 11 | 0.58 | NDR 0.116 | 16.7 | 1.74 | < 0.0851 | 12.6 | 3.76 | 5.84 | 9.93 | 1.12 | 36.5 | 14.1 | 11 |
| 3-4 | 2.77 | 2.16 | 3.35 | 3.25 | 0.219 | 2.39 | 0.898 | 12.7 | 0.517 | 0.11 | 17.8 | 2.09 | 0.123 | 14.5 | 5.23 | 6.78 | 11.8 | 1.41 | 40.9 | 16.9 | 12.1 |
| 3-4 (Duplicate) | 3.03 | 2.26 | 3.37 | 3.5 | 0.179 | 2.26 | 0.725 | 12.3 | 0.542 | 0.112 | 17.7 | 1.92 | 0.1 | 14.4 | 4.72 | 6.19 | 10 | 1.37 | 39.4 | 16 | 11.3 |
| 6-7 | 2.88 | 2.31 | 3.35 | 3.05 | 0.195 | 2.3 | 0.679 | 12.5 | 0.523 | 0.103 | 15.8 | 1.91 | NDR 0.117 | 14.1 | 4.5 | 6.52 | 10.8 | 1.22 | 37.8 | 15.8 | 11 |
| 9-10 | 3.4 | 2.43 | 3.78 | 3.1 | 0.198 | 2.31 | 0.754 | 14.8 | 0.544 | 0.082 | 17.3 | 2.36 | 0.126 | 20.7 | 4.36 | 6.73 | 9.87 | 1.08 | 45 | 17.8 | 12.2 |
| 12-14 | 6.42 | 2.29 | 5.26 | 5.93 | 0.359 | 3.63 | 1.06 | 22.8 | 0.915 | 0.173 | 13.8 | 3.43 | 0.14 | 33.9 | 6.89 | 9.53 | 14 | 2.02 | 65.9 | 25.8 | 17.9 |
| 14-16 | 5.87 | 1.77 | 6.01 | 7.3 | 0.31 | 4.49 | 1.49 | 27.8 | 1.12 | 0.265 | NDR 14.2 | 3.88 | NDR 0.132 | 46.4 | 8.69 | 13.2 | 20.1 | 2.69 | 94.4 | 33.8 | 25.5 |
| 16-20 | 10 | 2.4 | 8.21 | 32.2 | 1.42 | 15.2 | 3.23 | 83.5 | 4.13 | 1.02 | 12.8 | 6.78 | 0.113 | 71.9 | 41.5 | 44.1 | 81 | 11.6 | 187 | 91.7 | 60.7 |
| 25-30 | 12.3 | 2.94 | 11.9 | 16.5 | NDR 0.783 | 10.5 | 2.78 | 59.7 | 2.45 | 0.586 | 15.2 | 7.49 | < 0.195 | 67.2 | 23.1 | 29.7 | 44.8 | 7.32 | 174 | 71.2 | 49.9 |
| 40-45 | 16.5 | 3.5 | 16.8 | 21.1 | NDR 1.08 | 12.5 | 3.14 | 71.5 | 2.99 | 0.82 | 7.16 | 9.3 | < 0.181 | 56.2 | 33.1 | 34.2 | 99.9 | 10.8 | 253 | 120 | 88.1 |
| **Core 4** | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 1.78 | NDR 0.919 | NDR 1.54 | 2.37 | <0.369 | 1.09 | 1.75 | 5.29 | <0.347 | <0.334 | NDR 6.29 | NDR 1.08 | <0.357 | 5.41 | 1.64 | 2.67 | 4.77 | 0.776 | 17.9 | 6.43 | 4.87 |
| 14-16 | 1.78 | 1.01 | 1.53 | 2.63 | <0.195 | 1.19 | 0.3 | 6.69 | 0.296 | <0.182 | 9.25 | 1.13 | <0.196 | 8.67 | 1.88 | 3.1 | 4.5 | 1.04 | 18.7 | 6.86 | 5.33 |
| 14-16 (Duplicate) | 1.59 | 0.868 | 1.44 | 4.32 | <0.598 | 1.82 | NDR 0.626 | 8.65 | NDR 0.660 | <0.542 | 9.07 | 1.61 | <0.578 | 9.67 | 3.33 | 5.54 | 9.45 | 1.44 | 29 | 10.9 | 8.16 |
| 30-35 | 2.77 | 1.35 | 2.44 | 3.75 | <0.469 | NDR 1.79 | NDR 0.605 | 9.73 | NDR 0.527 | <0.425 | 12.9 | 2.12 | <0.453 | 16 | 2.35 | 4.81 | 7.1 | 1.3 | 34.3 | 11.7 | 8.85 |
| **Core 5** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 3.72 | 2.79 | 3.23 | 3.79 | NDR 0.212 | 2.98 | 0.792 | 16 | 0.569 | NDR 0.141 | 21.2 | 2.33 | NDR 0.228 | 17.9 | 5.16 | 8.26 | 11.2 | 1.33 | 44.5 | 16.6 | 12.5 |
| 1-2 | 3.28 | 2.54 | 2.82 | 2.71 | <0.596 | 1.9 | 0.631 | 11.4 | NDR 0.757 | <0.550 | 18.4 | 1.92 | <0.601 | 11.6 | 3.19 | 3.88 | 7.07 | 1.15 | 34.1 | 14 | 10.6 |
| 3-4 | 4.52 | 4.16 | 3.63 | 6.89 | 0.286 | 3.8 | 0.995 | 23.3 | 0.945 | 0.322 | 32.2 | 3.54 | 0.234 | 30.6 | 9.81 | 10.9 | 21 | 2.02 | 78.9 | 28 | 20.1 |
| 6-7 | 3.49 | 2.64 | 2.75 | 3.53 | NDR 0.140 | 2.33 | 0.587 | 12.5 | NDR 0.595 | NDR 0.144 | 17.4 | 2.12 | NDR 0.201 | 15.8 | NDR 4.03 | 4.44 | 7.67 | 1.41 | 34.7 | 12.9 | 9.72 |
| 9-10 | 3.57 | 2.8 | 2.91 | 4.6 | 0.21 | 2.8 | 0.647 | 15.3 | 0.581 | 0.221 | 17.6 | 2.33 | NDR 0.197 | 18.7 | 4.61 | 5.31 | 9.42 | 1.42 | 39.3 | 14.5 | 11.1 |
| 12-14 | 5.02 | 2.85 | 3.25 | 7.76 | NDR 0.247 | 4.02 | 0.877 | 22.4 | 1.04 | NDR 0.201 | 17.9 | 2.82 | < 0.128 | 24.2 | 11.3 | 11.3 | 21.2 | 3.03 | 58.2 | 25.5 | 18.2 |
| 14-16 | 5.48 | 4.25 | 4.01 | 6.05 | <0.699 | 4.03 | 1.07 | 26.8 | 0.956 | <0.646 | 33.4 | 4.27 | <0.705 | 31.1 | 7.76 | 9.76 | 16.6 | NDR 2.27 | 80.1 | 31.3 | 23.6 |
| 18-20 | 5.12 | 2.56 | 3.69 | 6.84 | 0.279 | 4.07 | 0.859 | 20.7 | 0.875 | NDR 0.257 | 16.9 | 2.98 | NDR 0.225 | 32.3 | 7.4 | 7.99 | 14.5 | 2.19 | 56.2 | 21.5 | 16.3 |
| 25-30 | 9.19 | 2.62 | 5.71 | 9.83 | 0.362 | 5.32 | 1.37 | 33.9 | 1.26 | 0.498 | 13.9 | 4.15 | 0.17 | 51.1 | 11.3 | 12.8 | 22.4 | 3.13 | 86.9 | 31.6 | 23.3 |
| 45-50 | 17.1 | 3.01 | 9.6 | 25.3 | NDR 0.511 | 7.87 | 2.2 | 59.1 | 2.21 | 1.01 | 6.22 | 1.8 | <0.448 | 43.5 | 20.6 | 25.7 | 41.6 | 9.04 | 175 | 70.9 | 51.2 |

Table 7: Continued.

| Sample Depth (cm) | CL1-PCB-1 | CL1-PCB-2 | CL1-PCB-3 | CL3-PCB-4 | CL2-PCB-5 | CL2-PCB-6 | CL2-PCB-7 | CL2-PCB-8 | CL3-PCB-9 | CL2-PCB-10 | CL2-PCB-11 | CL2-PCB-12/13 | CL2-PCB-14 | CL2-PCB-15 | CL3-PCB-16 | CL3-PCB-17 | CL3-PCB-18/30 | CL3-PCB-19 | CL3-PCB-20/28 | CL3-PCB-21/33 | CL3-PCB-22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 6** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 5.3 | 2.07 | 3.04 | 4.07 | NDR 0.260 | 2.52 | 0.692 | 12.1 | 0.547 | NDR 0.189 | 16 | 1.85 | < 0.0771 | 11.5 | 3.66 | 4.08 | 7.3 | 0.864 | 29.1 | 10.7 | 7.69 |
| 1-2 | 2.81 | 1.75 | 2.06 | 2.77 | NDR 0.119 | 1.67 | 0.486 | 9.41 | NDR 0.368 | NDR 0.128 | 13.8 | 1.48 | < 0.0953 | 10.3 | 2.89 | 3.17 | 6.16 | NDR 0.830 | 24.1 | 9.17 | 7.07 |
| 3-4 | 2.76 | 2.05 | 2.21 | 2.92 | < 0.159 | 1.95 | 0.547 | 10.7 | 0.41 | < 0.149 | 15.6 | 1.77 | < 0.144 | 11.9 | 3.49 | 4.21 | 7.84 | 0.708 | 29.8 | 11.2 | 8.49 |
| 6-7 | 2.97 | 2.21 | 2.33 | 3.18 | < 0.184 | 2.22 | 0.559 | 11.9 | 0.514 | < 0.172 | 16.3 | 1.95 | NDR 0.220 | 13.6 | 3.72 | 4.7 | 8.26 | NDR 0.835 | 34.3 | 12.6 | 9.62 |
| 9-10 | 3.15 | 2.41 | 2.42 | 3.91 | NDR 0.167 | 2.39 | 0.569 | 12.8 | 0.554 | 0.173 | 17.6 | 2.04 | NDR 0.214 | 15.5 | 4.83 | 5.58 | 10.4 | 1.23 | 37.3 | 14.6 | 10.9 |
| 9-10 (Duplicate) | 3.61 | 2.54 | 2.79 | 3.7 | NDR 0.179 | 2.51 | 0.704 | 13.7 | 0.546 | 0.159 | 19.3 | 2.33 | 0.129 | 15.8 | 4.47 | 5.38 | 9.7 | 1.08 | 39.7 | 14.2 | 11 |
| 12-14 | 3.34 | 2.7 | 2.39 | 4.57 | < 0.220 | 2.69 | 0.606 | 15.6 | NDR 0.570 | < 0.206 | 21.9 | 2.62 | < 0.200 | 17.4 | 5.48 | 6.17 | 11.3 | NDR 1.16 | 43.6 | 16.3 | 12.5 |
| 14-16 | 3.42 | 2.89 | 2.72 | 3.91 | < 0.167 | 2.55 | 0.692 | 14.1 | 0.511 | < 0.157 | 19.3 | 2.22 | < 0.152 | 17.8 | 4.84 | 5.57 | 10.4 | 0.998 | 42 | 14.6 | 11.3 |
| 18-20 | 3.9 | 3.04 | 3 | 4.75 | < 0.301 | 3.08 | 0.714 | 17.5 | NDR 0.603 | < 0.283 | 21.4 | 2.66 | < 0.275 | 22.1 | NDR 5.59 | 6.25 | 11.8 | NDR 1.31 | 50.1 | 17.9 | 13.4 |
| 25-30 | 4.97 | 3.65 | 3.69 | 6.66 | NDR 0.267 | 3.9 | NDR 0.996 | 22.4 | NDR 0.919 | < 0.246 | 23.7 | 3.07 | < 0.239 | 28.9 | 5.85 | 6.34 | 12.3 | 1.51 | 65 | 23.7 | 18.7 |
| 40-45 | 6 | 3.16 | 4.6 | 6.9 | NDR 0.378 | 4.39 | 1.25 | 27.4 | 1.04 | NDR 0.255 | 18 | 4.19 | < 0.166 | 43.4 | 6.85 | 7.56 | 14.5 | NDR 1.72 | 81.3 | 28.6 | 21.9 |
| **Core 7** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 3.36 | 2.44 | NDR 7.22 | < 6.52 | < 3.58 | < 3.16 | < 3.30 | 9.29 | < 3.16 | < 3.20 | 12.4 | < 3.55 | < 3.38 | 9.78 | 2.55 | NDR 3.02 | 5.2 | 0.857 | 21.6 | 8.29 | 5.96 |
| 1-2 | 1.52 | 1.33 | 1.12 | NDR 2.09 | <0.743 | NDR 1.24 | <0.683 | 7.55 | <0.704 | <0.686 | 10.9 | 1.52 | <0.749 | 6.56 | 2.4 | 2.81 | 5.06 | NDR 0.628 | 22.3 | 8.36 | 5.93 |
| 3-4 | 3.1 | 2.25 | NDR 9.25 | < 6.83 | < 3.52 | < 3.11 | < 3.25 | 8.52 | < 3.11 | < 3.15 | 10.6 | < 3.49 | < 3.32 | NDR 9.93 | 2.9 | 2.88 | 5.55 | 0.823 | 21.9 | 8.75 | 6.07 |
| 3-4 (Duplicate) | 3.97 | 3 | NDR 8.82 | < 6.59 | < 3.86 | < 3.40 | < 3.55 | 11.5 | < 3.41 | < 3.45 | 13 | < 3.83 | < 3.64 | NDR 13.3 | 2.96 | 3.58 | 6.56 | NDR 0.858 | 29.2 | 10.8 | 8.02 |
| 6-7 | 2.99 | NDR 2.60 | NDR 7.32 | < 5.41 | < 3.24 | < 2.86 | < 2.98 | 7.77 | < 2.86 | < 2.90 | 9.93 | < 3.21 | < 3.06 | NDR 9.08 | 2.34 | 2.76 | 5.3 | NDR 0.865 | 22.4 | 8.25 | 6.18 |
| 9-10 | 1.64 | NDR 1.31 | 1.53 | 1.91 | < 0.110 | NDR 0.981 | 0.248 | 5.39 | 0.214 | < 0.101 | 6.1 | 1.01 | NDR 0.122 | 6.91 | 2.05 | 2.1 | 4.11 | 0.529 | 14.5 | 5.28 | 4.05 |
| 12-14 | 2.88 | 2.42 | NDR 8.43 | < 5.51 | < 2.98 | < 2.63 | < 2.75 | 6.23 | < 2.63 | < 2.67 | 3.87 | < 2.96 | < 2.81 | NDR 6.67 | 2.77 | 3.03 | 5.31 | NDR 0.960 | 20.5 | 8.57 | 6.06 |
| 14-16 | NDR 1.57 | 1.31 | NDR 1.79 | 1.91 | <0.727 | NDR 1.64 | <0.668 | 6.88 | <0.688 | <0.671 | NDR 5.45 | NDR 1.69 | <0.733 | 4.44 | 2.5 | 3.45 | 5.54 | 0.848 | 21.9 | 8.76 | 6.04 |
| 18-20 | 2.96 | NDR 2.21 | NDR 8.47 | NDR 7.85 | < 2.87 | < 2.53 | < 2.64 | 16 | < 2.53 | < 2.56 | NDR 4.42 | < 2.84 | < 2.71 | 11.7 | 7.6 | 8.59 | 15.7 | 2.32 | 42.7 | 20 | 13.5 |
| 25-30 | NDR 1.91 | NDR 1.94 | NDR 8.85 | < 6.59 | < 3.87 | < 3.41 | < 3.56 | < 3.26 | < 3.42 | < 3.46 | < 3.73 | < 3.84 | < 3.65 | < 5.05 | < 0.411 | NDR 0.391 | NDR 0.827 | < 0.572 | 2.64 | 1.11 | 0.408 |
| 40-44 | NDR 0.249 | 1.06 | NDR 0.487 | <0.317 | <0.226 | <0.213 | <0.211 | NDR 0.413 | <0.210 | <0.211 | 0.787 | NDR 0.401 | <0.227 | <0.214 | 0.164 | 0.187 | 0.385 | 0.136 | 0.626 | 0.4 | 0.223 |
| **Surface Only Samples** | | | | | | | | | | | | | | | | | | | | | |
| Core Number/Sample Depth (cm) | CL1-PCB-1 | CL1-PCB-2 | CL1-PCB-3 | CL3-PCB-4 | CL2-PCB-5 | CL2-PCB-6 | CL2-PCB-7 | CL2-PCB-8 | CL3-PCB-9 | CL2-PCB-10 | CL2-PCB-11 | CL2-PCB-12/13 | CL3-PCB-14 | CL2-PCB-15 | CL3-PCB-16 | CL3-PCB-17 | CL3-PCB-18/30 | CL3-PCB-19 | CL3-PCB-20/28 | CL3-PCB-21/33 | CL3-PCB-22 |
| 8/1-2 | 6.39 | 3.94 | 5.17 | 11.5 | 0.36 | 4.33 | NDR 2.77 | 22.9 | NDR 1.29 | 0.399 | 14.6 | 3.11 | NDR 0.200 | 21.7 | 7.34 | 8.54 | 15.8 | 2.83 | 47.4 | 17.5 | 12.7 |
| 9/1-2 | NQ | NQ | NQ | 19.7 | NDR 0.343 | 4.12 | 3.25 | 22.6 | 1.29 | 0.408 | 23 | 4.48 | 0.358 | 30.1 | 7.4 | 7.92 | 15.6 | 3.24 | 64.7 | 23.2 | 16.7 |
| 10/0-1 | 10.1 | 8.9 | NDR 9.50 | 25.3 | 0.542 | 6.48 | 4.62 | 29.4 | 2.12 | NDR 0.803 | NDR 34.7 | 6.85 | NDR 0.456 | 28.3 | 8.76 | 11.4 | 18.8 | 5.04 | 66.7 | 25.3 | 15.6 |
| 11/0-1 | 6 | 5.12 | 4.61 | 12.5 | NDR 0.293 | 3.32 | 3.06 | 15.8 | 0.874 | 0.495 | 12.5 | 3.9 | < 0.250 | 19.5 | 6.67 | 7.71 | 14 | 2.83 | 48.6 | 19.7 | 12.3 |
| 12/0-1 | 13.9 | 3.5 | 4.26 | 22 | 0.326 | 3.54 | NDR 3.20 | 15.9 | NDR 1.11 | 0.416 | NDR 11.7 | 2.91 | < 0.222 | 18.2 | 7.42 | 7.07 | 15.2 | 3.28 | 41.9 | 16.9 | 11.7 |
| 13/0-1 | 8.99 | 2.93 | 3.54 | 14.8 | NDR 0.239 | 2.7 | 1.42 | 12.3 | 0.758 | 0.386 | 8.69 | 1.97 | < 0.102 | 12.9 | 4.42 | 4.66 | 8.87 | 2.03 | 28 | 10.3 | 7.27 |
| 14/0-1 | 7.28 | 3.62 | 6.88 | 10.1 | 0.407 | 4.4 | 1.88 | 25.7 | 1.27 | 0.357 | NDR 26.3 | 3.77 | NDR 0.217 | 29.2 | 6.95 | 9.15 | 16.4 | 2.54 | 63.8 | 23.3 | 16.7 |
| 15/0-1 | 2.3 | 1.66 | 1.65 | 3.71 | < 0.0694 | 1.2 | 1.46 | 6.42 | 0.35 | NDR 0.135 | 8.41 | 0.997 | < 0.0649 | 5.41 | 1.87 | 2.39 | 4.34 | NDR 0.780 | 13.1 | 5.14 | 3.84 |
| 16/0-1 | 2.99 | 1.65 | NDR 6.87 | 5.55 | NDR 0.156 | 2.77 | 0.61 | 15.4 | 0.624 | 0.168 | 15.2 | 2.19 | < 0.100 | 13.5 | 5.84 | 7.18 | 12.6 | 1.89 | 44.3 | 17.9 | 12.5 |
| 17/0-1 | NDR 13.1 | 9.53 | NDR 31.2 | 19.8 | < 0.313 | 5.52 | 1.2 | 25.1 | 1.24 | 0.617 | 26.6 | 4.5 | < 0.300 | 27.3 | 9.49 | 10.4 | 19.5 | 3.17 | 71.8 | 27.8 | 18.8 |
| 18/0-1 | NDR 1.60 | 0.93 | NDR 9.56 | 2.11 | < 0.0689 | 1.06 | 0.314 | 6.19 | 0.259 | 0.074 | 7.59 | 0.988 | < 0.0661 | 5.45 | 1.98 | 2.47 | 4.56 | 0.48 | 16.5 | 6.25 | 4.2 |
| 19/0-1 | 2.41 | 2.39 | NDR 4.40 | 3.54 | NDR 0.123 | 2.01 | 0.455 | 12.3 | 0.485 | 0.133 | 15.7 | 1.41 | < 0.112 | 10.5 | 3.5 | 4.2 | 7.8 | 0.87 | 31.4 | 11.7 | 8.48 |
| 20/0-1 | 13.3 | 2.69 | NDR 12.5 | 15.9 | NDR 0.291 | 4.3 | 1.11 | 25.1 | 1.19 | 0.609 | 16.4 | 3.96 | < 0.146 | 31.3 | 9.28 | 11.1 | 20.5 | 3.24 | 78.5 | 29.5 | 21.1 |
| 21/0-1 | NDR 9.70 | 9.53 | NDR 53.4 | 21 | 0.524 | 7.33 | 2.1 | 38.4 | 1.71 | 0.797 | 27.3 | 7.34 | < 0.472 | 40.1 | 16.1 | 20.2 | 33.3 | 6.42 | 130 | 51.4 | 31.6 |
| 22/0-1 | NDR 7.44 | < 1.77 | NDR 30.8 | 10.9 | < 0.256 | 2.28 | 0.514 | 11.6 | 0.514 | NDR 0.306 | 10.2 | 1.95 | < 0.245 | 12.8 | 4.56 | NDR 5.47 | 9.36 | 1.64 | 31.7 | 11.6 | 8.26 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | | | | |
| A1 TOP | 2.02 | 1.21 | NDR 2.36 | 1.87 | NDR 0.187 | 2.27 | 0.777 | 10.3 | 0.625 | NDR 0.182 | 18.3 | 1.64 | < 0.0990 | 10.7 | 3.82 | 5.41 | 9.81 | 1.09 | 29.8 | 12.8 | 9.36 |
| A1 BOT | 2.57 | 1.52 | 2.72 | 6.36 | 0.358 | 3.13 | 0.917 | 15.3 | 0.997 | 0.23 | 20.2 | 2.33 | NDR 0.095 | 13.6 | 5.88 | 7.76 | 14.6 | 2.05 | 38.6 | 17.5 | 13.7 |
| B1 TOP | 3.24 | 1.44 | NDR 2.34 | 8.88 | 0.317 | 3.23 | 0.865 | 15.1 | 0.974 | 0.361 | 12 | 2 | < 0.102 | 13.8 | 7.86 | 9.61 | 18.9 | 2.55 | 35.7 | 16.1 | 12.3 |
| B1 BOT | 1.87 | NDR 1.45 | NDR 1.66 | 3.91 | 0.155 | 1.77 | 0.768 | 9.59 | 0.477 | 0.155 | 13.1 | NDR 1.29 | < 0.137 | 8.86 | 3.04 | 4.25 | 7.65 | 1.05 | 22.9 | 8.91 | 7.17 |

Table 7: Continued.

| Sample Depth (cm) | CL3-PCB-23 | CL3-PCB-24 | CL3-PCB-28 | CL3-PCB-26/29 | CL3-PCB-27 | CL3-PCB-31 | CL3-PCB-32 | CL3-PCB-34 | CL3-PCB-35 | CL3-PCB-39 | CL3-PCB-37 | CL3-PCB-38 | CL3-PCB-30 | CL4-PCB-40/41/71 | CL4-PCB-42 | CL4-PCB-43 | CL4-PCB-44/47/65 | CL4-PCB-45/51 | CL4-PCB-46 | CL4-PCB-48 | CL4-PCB-49/69 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | NQ | 24.2 | NQ | NQ | 29.2 | 16.1 | 1.23 | 55.1 | 6.29 | 2.11 | 6.26 | 37.2 |
| 1-2 | < 0.0725 | NDR 0.163 | 2.89 | 5.26 | 1.94 | 33.3 | 10.5 | NDR 0.237 | 2.68 | 0.584 | 18.9 | NDR 0.308 | 0.492 | 26.1 | 13.6 | 1.23 | 51.3 | 6.47 | 2.2 | 5.99 | 38.4 |
| 3-4 | < 0.0496 | 0.169 | 4.63 | 7.36 | 2.62 | 46.3 | 12.6 | 0.387 | 4.23 | 0.82 | 31.8 | 0.384 | 0.767 | 41.4 | 23.8 | 1.64 | 81.3 | 10.4 | 3.48 | 9.28 | 59 |
| 6-7 | < 0.0586 | 0.14 | 4.12 | 6.71 | 2.06 | 43.3 | 10.9 | 0.396 | 4.43 | 0.68 | 31.9 | 0.465 | 0.874 | 40.3 | 23 | 1.33 | 75.2 | 8.08 | 2.95 | 7.95 | 50.9 |
| 9-10 | NDR 0.067 | 0.217 | 5.03 | 8.5 | 3.44 | 53.8 | 18.5 | 0.536 | 4.91 | 0.563 | 38.3 | 0.413 | 0.92 | 49.9 | 29.2 | 2.1 | 96.4 | 14.4 | 4.59 | 11.4 | 72.1 |
| 12-14 | < 0.0589 | 0.238 | 6.07 | 9.43 | 4.18 | 58.6 | 24 | 0.752 | 6.47 | 0.448 | 45.6 | 0.527 | 1.25 | 65.6 | 39.1 | 2.66 | 123 | 20.4 | 6.34 | 13.6 | 95.9 |
| 14-16 | < 0.0576 | NDR 0.183 | 3.41 | 5.38 | 2.83 | 35.2 | 18.9 | NDR 0.587 | 3.55 | 0.308 | 26.1 | 0.434 | 0.837 | 39.6 | 22.5 | 1.53 | 74.4 | 13.9 | 4.78 | 7.92 | 63.4 |
| 18-20 | < 0.0508 | < 0.0469 | 1.07 | 1.59 | 0.913 | 10.1 | 5.13 | 0.189 | 1.52 | 0.199 | 8.24 | 0.467 | 0.403 | 13.8 | 8.09 | 0.597 | 24.7 | 4.65 | 1.68 | 2.75 | 20.2 |
| 25-30 | < 0.0546 | < 0.0637 | NDR 0.158 | 0.216 | 0.097 | 0.921 | NDR 0.342 | < 0.0527 | NDR 0.219 | NDR 0.065 | 0.838 | 0.35 | < 0.0511 | 1.1 | 0.602 | < 0.0962 | 1.89 | 0.39 | NDR 0.172 | 0.255 | 1.33 |
| 50-55 | < 0.0449 | < 0.0449 | 0.135 | 0.196 | NDR 0.105 | 0.985 | 0.399 | < 0.0449 | 0.166 | NDR 0.045 | 0.534 | 0.272 | < 0.0449 | 0.93 | 0.476 | < 0.0449 | 1.84 | 0.421 | NDR 0.120 | 0.232 | 1.29 |
| **Core 2** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0471 | NDR 0.176 | 3.55 | 6.76 | 1.55 | 38.1 | 8.81 | 0.202 | 1.39 | 0.212 | 17.3 | NDR 0.092 | 0.235 | 25.2 | 11.6 | 1.3 | 44.5 | 6.44 | 2.52 | 7.98 | 26.4 |
| 1-2 | NDR 0.065 | NDR 0.345 | 5.68 | 10.9 | 3.07 | 63.1 | 16.2 | 0.347 | 2.12 | 0.275 | 33.5 | NDR 0.095 | NDR 0.433 | 43.6 | 17.8 | 2.26 | 75.2 | 11 | 4.64 | 12.3 | 45 |
| 3-4 | NDR 0.068 | 0.305 | 6.29 | 11.6 | 2.5 | 66.1 | 15.2 | 0.331 | 2.34 | 0.288 | 29.7 | 0.148 | 0.392 | 42.1 | 19.6 | 2.2 | 79.2 | 9.88 | 4.11 | 12.5 | 48.6 |
| 6-7 | NDR 0.095 | 0.263 | 7.64 | 12.9 | 2.65 | 73.2 | 16.6 | NDR 0.438 | 3.05 | 0.397 | 39 | NDR 0.178 | 0.412 | 49 | 21.5 | 2.2 | 79.5 | 9.92 | 4.36 | 13 | 46.8 |
| 9-10 | < 0.0920 | 0.505 | 10.3 | 18.1 | 4.31 | 99.7 | 25.3 | NDR 0.563 | 3.86 | 0.464 | 58.9 | 0.235 | 0.633 | 61.5 | 28.3 | 2.88 | 110 | 14.1 | 5.95 | 16.8 | 70.7 |
| 12-14 | 0.1 | 0.565 | 9.5 | 17.6 | 4.38 | 94.4 | 25.4 | 0.603 | 3.46 | 0.249 | 50.4 | 0.135 | 0.506 | 58.1 | 26.8 | 2.74 | 88.3 | 14.4 | 6.51 | 17.1 | 58.9 |
| 14-16 | < 0.148 | 0.898 | 14.8 | 27.3 | 9.04 | 136 | 52.7 | 1.26 | 4.28 | < 0.154 | 70.5 | 0.312 | 1.4 | 129 | 50.5 | 7.26 | 212 | 35.2 | 15.7 | 36 | 140 |
| 14-16 (Duplicate) | 0.189 | 1.24 | 15.5 | 29.2 | 9.22 | 155 | 57 | 1.4 | 5.29 | NDR 0.148 | 81.6 | NDR 0.300 | 1.4 | 131 | 50.6 | 6.55 | 194 | 34.4 | 15.4 | 36.3 | 130 |
| 18-20 | 0.139 | 0.885 | 17 | 29.1 | 7.91 | 137 | 62.2 | 1.67 | 6.16 | 0.134 | 74 | 0.378 | 1.42 | 168 | 69.8 | 8.02 | 234 | 39.5 | 18.8 | 50.2 | 154 |
| 25-30 | 0.14 | < 0.0486 | 0.377 | 0.492 | 0.265 | 2.93 | 2.18 | 0.159 | 0.428 | 0.087 | 1.75 | 0.294 | NDR 0.102 | 3.23 | 1.25 | 0.156 | 4.35 | 0.979 | 0.491 | 0.781 | 2.89 |
| 35-40 | < 0.0472 | < 0.0472 | < 0.0472 | 0.098 | < 0.0472 | 0.41 | 0.251 | < 0.0472 | 0.128 | < 0.0472 | 0.204 | 0.214 | 0.068 | 0.378 | NDR 0.169 | < 0.0472 | 0.766 | NDR 0.209 | NDR 0.066 | NDR 0.117 | 0.446 |
| **Core 3** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0477 | 0.131 | 2.63 | 4.83 | 0.887 | 25.9 | 4.01 | 0.151 | 1.42 | 0.413 | 12 | 0.117 | 0.232 | 14.8 | 7.4 | 0.853 | 26.4 | 3.24 | 1.01 | 4.98 | 16.5 |
| 1-2 | < 0.0469 | 0.156 | 2.34 | 4.83 | 0.884 | 26.5 | 4.62 | 0.164 | 1.25 | 0.395 | 10.4 | NDR 0.099 | 0.244 | 14.1 | 6.36 | 0.843 | 25.5 | 3.31 | 1.07 | 4.62 | 16.2 |
| 3-4 | < 0.0472 | 0.192 | 2.97 | 5.51 | 0.988 | 29.6 | 4.49 | 0.148 | 1.53 | 0.473 | 12.7 | 0.108 | 0.247 | 15.7 | 8.08 | 0.87 | 27.6 | 3.82 | 1.16 | 5.46 | 17.5 |
| 3-4 (Duplicate) | < 0.0459 | 0.104 | 2.92 | 5.3 | 0.913 | 27.5 | 4.1 | 0.15 | 1.64 | 0.501 | 11.9 | 0.119 | 0.262 | 15.2 | 7.71 | 0.932 | 26.3 | 3.51 | 1.07 | 5.06 | 16.9 |
| 6-7 | < 0.0473 | 0.105 | 2.67 | 4.85 | 0.889 | 26.8 | 4.39 | 0.135 | 1.46 | 0.439 | 11.6 | NDR 0.115 | 0.236 | 16.1 | 8.09 | 0.887 | 27.2 | 3.56 | 1.18 | 5.51 | 17.5 |
| 9-10 | < 0.0466 | 0.139 | 3.26 | 5.31 | 0.935 | 29.5 | 4.62 | 0.179 | 2.77 | 0.43 | 14.5 | 0.125 | 0.313 | 17.7 | 8.52 | 1 | 28.5 | 3.55 | 1.13 | 5.9 | 18 |
| 12-14 | 0.056 | 0.158 | 4.64 | 7.62 | 1.35 | 42.6 | 6.84 | 0.271 | 2.24 | 0.37 | 23.4 | NDR 0.127 | 0.405 | 26.2 | 13.2 | 1.36 | 42 | 5.26 | 1.72 | 8.55 | 26.2 |
| 14-16 | NDR 0.059 | 0.294 | 5.9 | 10.9 | 1.92 | 61.5 | 10.9 | 0.407 | 2.49 | 0.263 | 33.2 | NDR 0.105 | 0.534 | 34.9 | 15.4 | 1.85 | 54.5 | 7.77 | 2.89 | 10.7 | 35 |
| 18-20 | 0.215 | 1.02 | 13.4 | 26.2 | 6.36 | 136 | 27.8 | 0.683 | 3.92 | 0.211 | 66.7 | 0.251 | 0.881 | 69.9 | 33.2 | 4.07 | 100 | 19 | 6.42 | 23.9 | 62.4 |
| 25-30 | NDR 0.108 | < 0.0615 | 12.9 | 22.2 | 4.72 | 116 | 22.1 | 0.76 | 4.25 | NDR 0.161 | 71.6 | NDR 0.282 | 1.38 | 81.7 | 40.9 | 5.57 | 121 | 20.2 | 6.91 | 27.3 | 76.8 |
| 40-45 | 0.168 | 1.29 | 17.8 | 35.4 | 7.09 | 230 | 45.5 | 1.21 | 5.09 | < 0.114 | 92 | 0.441 | 2.93 | 203 | 83.3 | 12.5 | 318 | 53 | 18.8 | 67.1 | 169 |
| **Core 4** | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | <0.0520 | 0.075 | 1.41 | 2.77 | 0.45 | 13.2 | 2.17 | 0.116 | 0.492 | 0.193 | 4.52 | 0.067 | NDR 0.143 | 7.96 | 3.44 | 0.596 | 14.9 | 2.31 | 0.61 | 2.56 | 8.94 |
| 14-16 | <0.0494 | NDR 0.051 | 1.58 | 2.81 | 0.484 | 13.6 | 2.17 | 0.097 | 0.536 | NDR 0.272 | 4.7 | NDR 0.083 | NDR 0.141 | 7.43 | 3.86 | NDR 0.524 | 14 | 2.08 | 0.593 | 2.4 | 8.74 |
| 14-16 (Duplicate) | <0.0478 | 0.19 | 1.99 | 4.24 | 0.948 | 20.7 | 4 | NDR 0.119 | 0.64 | NDR 0.244 | 7.53 | <0.0478 | 0.139 | 9.77 | 4.09 | 0.696 | 16.5 | 2.99 | 0.818 | 3.25 | 10.3 |
| 30-35 | <0.0500 | 0.154 | 2.34 | 4.58 | 0.768 | 23.5 | 3.93 | 0.134 | NDR 0.983 | 0.431 | 9.66 | NDR 0.105 | NDR 0.201 | 13.7 | 5.71 | 0.954 | 25.3 | 3.56 | 0.949 | 4.19 | 15.2 |
| **Core 5** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0631 | < 0.0605 | 3.01 | 5.8 | 1.14 | 29.9 | 4.75 | NDR 0.193 | 1.46 | 0.768 | 14.8 | NDR 0.185 | 0.312 | 15 | 7.76 | 0.932 | 26 | 2.99 | 1 | 4.81 | 16.1 |
| 1-2 | <0.109 | 0.136 | 2.49 | 4.47 | 0.7 | 26 | 3.69 | 0.149 | 1.48 | 0.76 | 8.46 | <0.116 | <0.111 | 10.5 | 4.94 | 0.684 | 18.7 | 2.17 | NDR 0.770 | 3.2 | 11.3 |
| 3-4 | NDR 0.052 | 0.283 | 4.82 | 9.72 | 1.98 | 54.9 | 8.09 | 0.285 | 2.19 | 1.6 | 25.4 | 0.199 | 0.414 | 25.2 | 12.1 | 1.22 | 45 | 4.98 | 1.6 | 7.74 | 28.2 |
| 6-7 | < 0.0651 | < 0.0509 | 2.41 | 4.39 | 0.81 | 22.6 | 3.5 | 0.123 | 1.22 | 0.726 | 12.2 | 0.11 | 0.25 | 12.6 | 6.4 | 0.729 | 21 | 2.43 | 0.793 | 3.85 | 13 |
| 9-10 | < 0.0480 | < 0.0518 | 2.59 | 4.85 | 0.975 | 26.2 | 4.21 | NDR 0.139 | 1.33 | 0.697 | 14.3 | NDR 0.143 | NDR 0.274 | 14.4 | 7.2 | 0.86 | 24.1 | 2.78 | 0.983 | 4.37 | 15 |
| 12-14 | < 0.0592 | < 0.0484 | 3.98 | 8.16 | 2.01 | 42 | 8.04 | 0.232 | 1.71 | 0.802 | 19.7 | NDR 0.127 | 0.377 | 21.1 | 10.5 | 1.49 | 35 | 5.37 | 1.9 | 7 | 21.3 |
| 14-16 | <0.0617 | 0.299 | 5.43 | 10.2 | 1.73 | 59.4 | 9.15 | NDR 0.299 | 3.2 | 1.56 | 22.9 | 0.255 | NDR 0.391 | 26.8 | 12.3 | 1.63 | 46 | 5.97 | 1.7 | 7.43 | 29.2 |
| 18-20 | < 0.0733 | 0.251 | 3.73 | 7.09 | 1.49 | 37.6 | 6.75 | 0.162 | 1.95 | 0.879 | 20 | NDR 0.235 | 0.44 | 20.5 | 10.1 | 1.48 | 34.4 | 4.25 | 1.69 | 6.35 | 21.2 |
| 25-30 | 0.076 | NDR 0.341 | 6.31 | 11.5 | 2.56 | 59.1 | 10.6 | 0.308 | 2.32 | 0.711 | 31.4 | NDR 0.147 | 0.541 | 32 | 16.4 | 2.09 | 53.8 | 7.32 | 2.67 | 9.8 | 33.7 |
| 45-50 | 0.094 | 0.92 | 10.3 | 20.1 | 4.22 | 125 | 25.6 | 0.622 | 5.17 | NDR 0.234 | 57.6 | 0.215 | 1.22 | 61.3 | 38.8 | 4.8 | 128 | 17.1 | 6.21 | 22.6 | 80.7 |

Table 7: Continued.

| Sample Depth (cm) | CL3-PCB-23 | CL3-PCB-24 | CL3-PCB-26 | CL3-PCB-29/39 | CL3-PCB-27 | CL3-PCB-31 | CL3-PCB-33 | CL3-PCB-34 | CL3-PCB-36 | CL3-PCB-35 | CL3-PCB-37 | CL3-PCB-38 | CL3-PCB-28 | CL4-PCB-40/41/71 | CL4-PCB-42 | CL4-PCB-43 | CL4-PCB-44/47/65 | CL4-PCB-45/51 | CL4-PCB-46 | CL4-PCB-48 | CL4-PCB-49/69 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Core 8 | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0563 | NDR 0.103 | 1.9 | 3.77 | 0.783 | 18.8 | 3.08 | 0.135 | 0.826 | 0.572 | 8.83 | NDR 0.160 | 0.19 | 9 | 4.55 | 0.529 | 16 | 1.75 | 0.683 | 3 | 10.1 |
| 1-2 | < 0.0466 | 0.072 | 1.61 | 3.05 | 0.628 | 16 | 2.55 | 0.104 | 0.834 | 0.55 | 8.2 | NDR 0.119 | NDR 0.185 | 7.43 | 4.28 | 0.425 | 14.5 | 1.6 | 0.594 | 2.56 | 8.9 |
| 3-4 | < 0.0633 | < 0.0538 | 1.98 | 3.82 | 0.729 | 20 | 3.16 | 0.086 | 0.859 | 0.619 | 9.52 | 0.104 | 0.173 | 9.81 | 5.01 | 0.58 | 17.2 | 2.07 | 0.749 | 3.19 | 11.1 |
| 6-7 | < 0.0593 | NDR 0.114 | 2.16 | 4.33 | 0.809 | 22.8 | 3.55 | 0.093 | 1.05 | 0.74 | 11.1 | NDR 0.160 | 0.175 | 11.7 | 5.81 | 0.697 | 20.5 | 2.53 | 0.827 | 3.83 | 13.1 |
| 9-10 | < 0.0488 | NDR 0.186 | 2.48 | 4.94 | 1.03 | 26.6 | 4.22 | 0.15 | 1.07 | 0.738 | 12.5 | NDR 0.150 | NDR 0.266 | 13.2 | 6.5 | 0.854 | 22.7 | 2.72 | 1.02 | 4.19 | 14.1 |
| 9-10 (Duplicate) | 0.068 | NDR 0.148 | 2.91 | 5.65 | 0.895 | 26.9 | 4.14 | 0.161 | 1.26 | 0.838 | 12.5 | 0.206 | 0.277 | 13.4 | 6.9 | 0.832 | 24.1 | 2.69 | 0.952 | 4.46 | 15.3 |
| 12-14 | < 0.0650 | 0.143 | 3.06 | 5.64 | 1.04 | 29.2 | 4.49 | NDR 0.196 | 1.59 | 0.968 | 14.2 | NDR 0.106 | NDR 0.436 | 14.5 | 7.36 | < 0.0459 | 24.5 | 2.81 | 0.989 | 4.45 | 15.9 |
| 14-16 | < 0.0472 | 0.172 | 2.76 | 5.06 | 0.998 | 27.2 | 4.23 | NDR 0.154 | 1.78 | 0.952 | 14 | 0.144 | NDR 0.199 | 14.1 | 6.96 | < 0.0472 | 23.7 | 2.84 | 1.03 | 4.27 | 15.7 |
| 18-20 | < 0.0567 | NDR 0.201 | 3.31 | 6.15 | 1.26 | 32.7 | 4.74 | NDR 0.175 | 1.72 | 0.976 | 16.6 | 0.169 | NDR 0.275 | 16.3 | 8.21 | < 0.0655 | 27.6 | 3.27 | 1.14 | 5.18 | 18 |
| 25-30 | 0.055 | NDR 0.202 | 3.99 | 8.12 | 1.15 | 43 | 6.7 | NDR 0.233 | 2.61 | 1.3 | 21.1 | 0.243 | NDR 0.530 | 16.6 | 8.51 | < 0.0624 | 28 | 3.19 | 1.14 | 5.21 | 17.2 |
| 40-45 | NDR 0.083 | 0.158 | 5.03 | 10.4 | 1.4 | 52.6 | 8.63 | NDR 0.291 | 3.32 | 0.832 | 24.2 | 0.152 | NDR 0.477 | 22.9 | 11 | < 0.0517 | 36.4 | 4.37 | 1.58 | 6.85 | 23.3 |
| Core 7 | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.249 | < 0.219 | 1.48 | 3.09 | NDR 0.595 | 14.4 | 2.11 | < 0.245 | 0.765 | NDR 0.342 | 8.2 | < 0.255 | < 0.246 | 7.11 | 3.52 | NDR 0.355 | 11.9 | 1.43 | 0.602 | 2.32 | 8.45 |
| 1-2 | <0.0836 | NDR 0.080 | 1.42 | 2.75 | 0.512 | 15 | 2.3 | NDR 0.096 | 0.65 | 0.402 | 5.38 | <0.0890 | 0.212 | 6.35 | 2.97 | 0.419 | 12 | 1.39 | NDR 0.461 | 2.08 | 7.64 |
| 3-4 | < 0.353 | < 0.286 | 1.33 | 2.66 | NDR 0.546 | 14.9 | 2.1 | < 0.346 | NDR 0.684 | < 0.346 | 8.43 | < 0.361 | < 0.350 | 7.71 | 3.79 | NDR 0.414 | 12.7 | 1.46 | NDR 0.551 | 2.59 | 8.1 |
| 3-4 (Duplicate) | < 0.414 | < 0.292 | 2.12 | 3.77 | NDR 0.633 | 19.4 | 2.78 | < 0.406 | NDR 1.07 | NDR 0.525 | 12.1 | < 0.424 | < 0.411 | 9.79 | 4.73 | 0.628 | 16.3 | 2.08 | NDR 0.722 | 2.84 | 10.4 |
| 6-7 | < 0.322 | < 0.271 | 1.44 | 2.83 | NDR 0.556 | 16 | 2.26 | < 0.316 | 0.812 | < 0.315 | 8.64 | < 0.329 | < 0.319 | 7.36 | 3.4 | NDR 0.317 | 13.1 | 1.53 | 0.42 | 2.42 | 8.66 |
| 9-10 | < 0.0462 | NDR 0.057 | 1.02 | 1.79 | 0.439 | 9.48 | 1.52 | 0.085 | 0.587 | 0.249 | 5.61 | 0.177 | NDR 0.076 | 5.53 | 2.73 | 0.322 | 9.81 | 1.2 | 0.414 | 1.63 | 5.97 |
| 12-14 | < 0.337 | < 0.218 | 1.49 | 2.75 | 0.541 | 14.9 | 2.58 | < 0.331 | NDR 0.610 | < 0.330 | 9.57 | < 0.345 | < 0.335 | 9.36 | 5.34 | 0.505 | 15.9 | 2.28 | 1.2 | 3.06 | 10.1 |
| 14-16 | <0.0675 | <0.0537 | 1.45 | 2.61 | 0.498 | 15.2 | 3.23 | NDR 0.112 | 0.867 | NDR 0.197 | 4.98 | 0.294 | 0.16 | 9.23 | 4.38 | 0.592 | 16.3 | 2.21 | NDR 0.790 | 2.77 | 10.5 |
| 18-20 | < 0.407 | < 0.303 | 2.96 | 5.81 | NDR 1.30 | 31.2 | 5.87 | < 0.399 | NDR 1.26 | < 0.398 | 15.5 | < 0.416 | < 0.404 | 16.5 | 8.3 | 1.01 | 26 | 4.09 | 1.52 | 5.55 | 16.4 |
| 25-30 | < 0.310 | < 0.249 | < 0.272 | < 0.303 | < 0.235 | 7.49 | < 0.287 | < 0.304 | < 0.345 | < 0.304 | 0.981 | < 0.318 | < 0.308 | 0.933 | NDR 0.301 | < 0.167 | 1.43 | NDR 0.209 | < 0.182 | NDR 0.280 | 1.07 |
| 40-44 | <0.0500 | <0.0500 | 0.068 | NDR 0.178 | <0.0500 | 0.633 | NDR 0.117 | <0.0500 | 0.071 | <0.0500 | NDR 0.193 | NDR 0.309 | <0.0500 | 0.421 | NDR 0.195 | <0.0500 | 0.811 | 0.255 | NDR 0.057 | 0.244 | 0.464 |

| Core Number/Sample Depth (cm) | CL3-PCB-23 | CL3-PCB-24 | CL3-PCB-26 | CL3-PCB-29/39 | CL3-PCB-27 | CL3-PCB-31 | CL3-PCB-33 | CL3-PCB-34 | CL3-PCB-36 | CL3-PCB-35 | CL3-PCB-37 | CL3-PCB-38 | CL3-PCB-28 | CL4-PCB-40/41/71 | CL4-PCB-42 | CL4-PCB-43 | CL4-PCB-44/47/65 | CL4-PCB-45/51 | CL4-PCB-46 | CL4-PCB-48 | CL4-PCB-49/69 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | < 0.0829 | 0.263 | 2.96 | 5.68 | 1.5 | 31.7 | 7.8 | 0.152 | 1.42 | 0.531 | 14.9 | 0.126 | 0.348 | 16.1 | 7.96 | 0.795 | 28.7 | 3.81 | NDR 1.28 | 4.31 | 17.9 |
| 9/1-2 | < 0.0843 | NDR 0.195 | 3.64 | 7.53 | 1.57 | 40.5 | 6.96 | 0.182 | 2.06 | 0.789 | 23.2 | NDR 0.174 | 0.456 | 20.9 | 9.54 | 0.996 | 33.2 | 4.21 | 1.49 | 5.25 | 20.7 |
| 10/0-1 | < 0.208 | 0.28 | 3.9 | 7.1 | 2.38 | 41.6 | 11.4 | 0.307 | 3.34 | 0.793 | 24.8 | NDR 0.268 | 0.735 | 28.3 | 15.2 | 1.35 | 53.7 | 6.9 | 2.4 | 7.01 | 36.9 |
| 11/0-1 | < 0.131 | NDR 0.227 | 2.92 | 5.56 | 1.55 | 31.6 | 8 | 0.178 | 1.99 | 0.629 | 17.7 | NDR 0.271 | NDR 0.374 | 18.7 | 10.2 | 1.04 | 34.9 | 4.58 | 1.67 | 5.34 | 22.8 |
| 12/0-1 | < 0.0945 | 0.243 | 2.46 | 5.3 | 1.5 | 28.5 | 5.69 | 0.13 | 1.23 | 0.368 | 16 | 0.147 | 0.35 | 16.3 | 7.44 | 0.935 | 29.3 | 4.25 | 1.57 | 4.37 | 17.2 |
| 13/0-1 | < 0.0723 | NDR 0.141 | 1.5 | 3.16 | 0.92 | 18.3 | 3.71 | 0.086 | 1.04 | 0.317 | 9.77 | 0.097 | 0.22 | 10.4 | 5.01 | 0.491 | 17.6 | 2.32 | 0.863 | 2.6 | 10.4 |
| 14/0-1 | < 0.0535 | NDR 0.213 | 3.87 | 7.09 | 1.68 | 40.3 | 8.28 | 0.196 | 1.96 | 0.6 | 22.7 | NDR 0.131 | NDR 0.342 | 21.8 | 10.5 | 1.23 | 37.9 | 4.76 | 1.73 | 6.06 | 22.5 |
| 15/0-1 | < 0.0505 | NDR 0.054 | 0.853 | 1.67 | 0.425 | 8.85 | 1.61 | < 0.0505 | 0.435 | 0.25 | 3.53 | < 0.0505 | NDR 0.070 | 4.09 | 2.1 | 0.3 | 7.69 | 1.06 | 0.363 | 1.46 | 4.59 |
| 16/0-1 | < 0.0501 | 0.193 | 2.94 | 5.76 | 1.11 | 28.5 | 5.07 | 0.145 | 1.15 | 0.601 | 12.4 | 0.08 | NDR 0.154 | 11.6 | 5.65 | 0.807 | 23.9 | 2.77 | 0.961 | 4.15 | 14.1 |
| 17/0-1 | < 0.159 | NDR 0.267 | 4.52 | 8.5 | 1.84 | 45.3 | 8.87 | NDR 0.250 | NDR 1.84 | NDR 0.802 | 21.2 | NDR 0.177 | 0.381 | 24.7 | 11.8 | 1.55 | 44.5 | 5.77 | 1.92 | 7.13 | 25.4 |
| 18/0-1 | < 0.0452 | 0.055 | 1.05 | 2.06 | 0.404 | 10.6 | 1.94 | 0.071 | 0.513 | 0.342 | 4.45 | NDR 0.070 | NDR 0.083 | 5.11 | 2.54 | 0.343 | 9.78 | 1.08 | 0.391 | 1.72 | 6.05 |
| 19/0-1 | < 0.0473 | NDR 0.100 | 2.13 | 3.98 | 0.784 | 20.3 | 3.29 | 0.097 | 1.02 | 0.569 | 8.19 | NDR 0.090 | 0.176 | 9.1 | 4.65 | 0.581 | 16.8 | 1.94 | 0.653 | 3.07 | 10.5 |
| 20/0-1 | < 0.0642 | 0.255 | 4.83 | 9.33 | 2.13 | 51.2 | 9.88 | 0.241 | 2.56 | 0.714 | 26.1 | 0.145 | NDR 0.470 | 29.5 | 14 | 1.57 | 51.9 | 6.2 | 2.19 | 7.86 | 29.5 |
| 21/0-1 | < 0.267 | NDR 0.462 | 7.76 | 13.7 | 4.4 | 82.1 | 24 | NDR 0.540 | 5.01 | 1.2 | 40.9 | NDR 0.387 | < 0.267 | 54.3 | 28.7 | NDR 3.58 | 118 | 15.1 | 5.17 | 15.8 | 75.5 |
| 22/0-1 | < 0.130 | < 0.130 | 1.94 | 3.7 | 1.1 | 20 | 5.3 | < 0.130 | 1.05 | NDR 0.244 | 10.3 | < 0.130 | < 0.130 | 12 | 5.94 | NDR 0.803 | 23.2 | 2.98 | 1.04 | 3.4 | 13.5 |
| Sediment Traps | | | | | | | | | | | | | | | | | | | | | |
| A1 TOP | < 0.0491 | 0.208 | 2.02 | 4.41 | 0.785 | 23.7 | 4.03 | NDR 0.135 | 0.972 | 0.524 | 8.01 | NDR 0.094 | NDR 0.289 | 12.2 | 5.63 | 0.782 | 22.6 | 3.23 | 0.916 | 4.16 | 14.1 |
| A1 BOT | < 0.0486 | NDR 0.207 | 2.41 | 5.45 | 1.13 | 30.3 | 5.81 | NDR 0.147 | 1.14 | NDR 0.518 | 10.6 | NDR 0.074 | 0.291 | 13.7 | 6.15 | 0.821 | 23.3 | 3.65 | 1.26 | 4.57 | 14.6 |
| B1 TOP | 0.059 | 0.333 | 2.14 | 5.46 | 1.42 | 28.7 | 6.65 | 0.162 | 0.829 | 0.339 | 9.92 | NDR 0.063 | 0.207 | 11.9 | 5.06 | 0.828 | 19.2 | 3.76 | 1.28 | 4.16 | 11.9 |
| B1 BOT | < 0.0492 | NDR 0.134 | 1.38 | 3.04 | 0.652 | 16.4 | 3.18 | NDR 0.112 | 0.719 | NDR 0.417 | 6.36 | NDR 0.078 | 0.11 | 7.3 | 3.36 | 0.395 | 13.1 | 1.66 | 0.597 | 2.22 | 8.17 |

Table 7: Continued.

| Sample Depth (cm) | CL4-PCB-50/53 | CL4-PCB-52 | CL4-PCB-54 | CL4-PCB-55 | CL4-PCB-56 | CL4-PCB-57 | CL4-PCB-58 | CL4-PCB-59/62/75 | CL4-PCB-60 | CL4-PCB-61/70/74/76 | CL4-PCB-63 | CL4-PCB-64 | CL4-PCB-66 | CL4-PCB-67 | CL4-PCB-68 | CL4-PCB-72 | CL4-PCB-73 | CL4-PCB-77 | CL4-PCB-78 | CL4-PCB-79 | CL4-PCB-80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 5.39 | 61.7 | < 0.113 | NDR 0.475 | 37.5 | 0.28 | < 0.266 | 4.78 | 19.7 | 131 | 2.99 | 18.8 | 92.5 | 1.73 | 1.01 | 0.949 | 0.129 | 16.5 | < 0.262 | 1.88 | < 0.235 |
| 1-2 | 5.24 | 59.9 | NDR 0.107 | NDR 1.24 | 28.9 | < 0.491 | < 0.487 | 4.48 | 14.8 | 108 | 2.27 | 17.9 | 78.3 | 1.24 | 0.571 | 0.697 | < 0.0725 | 12.2 | < 0.515 | 1.63 | < 0.471 |
| 3-4 | 9.24 | 90.7 | 0.127 | 0.906 | 46.6 | 0.363 | 0.418 | 7.2 | 24.9 | 171 | 4.06 | 25.9 | 126 | 2.4 | 1.28 | 1.41 | 0.296 | 22.8 | < 0.113 | 2.23 | < 0.102 |
| 6-7 | 6.97 | 76.1 | 0.146 | 0.986 | 52.8 | NDR 0.432 | NDR 0.578 | 6.5 | 25.5 | 178 | 3.77 | 23.9 | 133 | 2.24 | 1.4 | 1.34 | 0.291 | 22.3 | < 0.210 | 2.35 | < 0.188 |
| 9-10 | 11.9 | 103 | 0.197 | 0.985 | 52.2 | 0.357 | 0.442 | 8.48 | 26.4 | 185 | 4.15 | 29.2 | 143 | 2.45 | 1.49 | 1.66 | NDR 0.331 | 25.3 | < 0.123 | 2.68 | < 0.110 |
| 12-14 | 16.5 | 132 | 0.252 | 1.15 | 63.9 | 0.449 | 0.977 | 10.7 | 29.7 | 224 | 4.84 | 34.1 | 175 | 2.98 | 2.21 | 2.53 | 0.567 | 31.8 | NDR 0.110 | 3.49 | NDR 0.135 |
| 14-16 | 11 | 84.5 | 0.152 | NDR 1.56 | 36.8 | 0.291 | 0.616 | 6.25 | 16.1 | 127 | 2.83 | 21 | 101 | 1.6 | 1.32 | 1.73 | 0.483 | 17.1 | < 0.138 | 2.31 | 0.14 |
| 18-20 | 3.95 | 27.4 | NDR 0.095 | 0.233 | 11.5 | 0.165 | NDR 0.244 | 2.13 | 5.37 | 41.7 | 0.962 | 6.81 | 32.2 | 0.606 | 0.693 | 0.678 | 0.166 | 6.64 | NDR 0.100 | 0.916 | < 0.0893 |
| 25-30 | 0.288 | 2.13 | < 0.0858 | < 0.162 | 0.89 | < 0.154 | < 0.160 | 0.208 | 0.456 | 3.23 | < 0.148 | 0.626 | 2.02 | < 0.136 | NDR 0.166 | < 0.151 | < 0.0659 | 0.408 | < 0.154 | < 0.133 | < 0.141 |
| 50-55 | 0.304 | 1.84 | < 0.0449 | < 0.0449 | 0.733 | < 0.0449 | < 0.0449 | 0.16 | 0.363 | 2.36 | NDR 0.074 | 0.567 | 1.78 | NDR 0.061 | 0.08 | < 0.0449 | < 0.0449 | NDR 0.352 | < 0.0449 | 0.053 | < 0.0449 |
| **Core 2** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 5.23 | 56 | 0.111 | NDR 1.00 | 27.6 | 0.223 | NDR 0.169 | 4.09 | 16.6 | 105 | 2.18 | 18.9 | 62.2 | 1.82 | NDR 0.348 | 0.422 | 0.12 | 7.4 | < 0.0828 | 0.897 | 0.629 |
| 1-2 | 9.7 | 100 | 0.144 | 2.74 | 42.4 | < 0.324 | 0.347 | 7.65 | 23.8 | 169 | 3.21 | 32.6 | 101 | 2.49 | 0.537 | 0.71 | < 0.0474 | 14.4 | < 0.338 | 3.04 | < 0.316 |
| 3-4 | 9.36 | 120 | NDR 0.151 | 1.4 | 42.9 | 0.344 | 0.364 | 6.64 | 25 | 190 | 3.62 | 34 | 104 | 2.99 | 0.55 | 0.713 | 0.142 | 13.3 | < 0.118 | 2.34 | < 0.107 |
| 6-7 | 8.34 | 93.1 | 0.212 | 1.78 | 55.2 | < 0.447 | 0.485 | 7.62 | 32 | 208 | 4.52 | 35.2 | 129 | 3.38 | 0.678 | 0.967 | 0.203 | 16.1 | < 0.449 | 2 | < 0.408 |
| 9-10 | 13.6 | 156 | 0.173 | 2.11 | 64.7 | 0.549 | 0.67 | 9.98 | 37.9 | 284 | 5.21 | 47.6 | 160 | 4.42 | 0.927 | 1.2 | 0.289 | 23.7 | < 0.196 | 2.69 | 1.31 |
| 12-14 | 13 | 96.8 | 0.238 | 1.67 | 50.7 | 0.468 | 0.429 | 9.36 | 30.6 | 193 | 4.15 | 39.5 | 126 | 3.8 | 0.884 | 1.11 | NDR 0.296 | 20.2 | < 0.158 | < 0.133 | < 0.144 |
| 14-16 | 33.7 | 287 | 0.572 | 7.04 | 101 | 0.758 | 1.06 | 20.5 | 56.7 | 407 | 8.28 | 87.9 | 249 | 6.6 | 1.92 | 2.46 | < 0.0476 | 30.3 | < 0.523 | 8.42 | < 0.489 |
| 14-16 (Duplicate) | 32.2 | 232 | 0.491 | 7.14 | 107 | 0.886 | 1.28 | 21 | 61.3 | 402 | 8.84 | 83.7 | 265 | 7.45 | 2.15 | 2.67 | < 0.0483 | 34.9 | < 0.342 | 6.29 | < 0.320 |
| 18-20 | 36.2 | 244 | NDR 0.489 | 3.42 | 123 | 0.914 | 1.56 | 23 | 78.1 | 458 | 10.9 | 103 | 317 | 9.65 | 2.97 | 3.41 | 0.817 | 39.8 | < 0.265 | 4.9 | < 0.241 |
| 25-30 | 0.946 | 3.89 | NDR 0.205 | 0.088 | 1.67 | < 0.0486 | < 0.0486 | 0.366 | 1.16 | 5.95 | 0.136 | 1.57 | 5.13 | 0.128 | NDR 0.085 | NDR 0.095 | < 0.0486 | 1.05 | < 0.0486 | < 0.0486 | < 0.0486 |
| 35-40 | NDR 0.147 | 0.631 | < 0.0472 | < 0.0472 | 0.265 | < 0.0472 | < 0.0472 | 0.067 | 0.134 | 0.802 | < 0.0472 | 0.223 | 0.63 | < 0.0472 | NDR 0.083 | < 0.0472 | < 0.0472 | NDR 0.137 | < 0.0472 | < 0.0472 | < 0.0472 |
| **Core 3** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 2.57 | 28.6 | 0.06 | 0.497 | 17.3 | 0.238 | NDR 0.092 | 2.25 | 9.39 | 62 | 1.37 | 11.6 | 35.2 | 1.12 | 0.525 | 0.308 | < 0.0477 | 4.44 | < 0.0794 | 0.506 | < 0.0708 |
| 1-2 | 2.57 | 30.1 | NDR 0.061 | 0.743 | 15.6 | < 0.198 | < 0.203 | 2.26 | 8.38 | 59.7 | 1.29 | 11.3 | 34.4 | 0.94 | 0.244 | 0.281 | < 0.0469 | 3.95 | < 0.206 | 0.822 | < 0.193 |
| 3-4 | 2.9 | 30.1 | < 0.0472 | 0.561 | 17.7 | 0.168 | 0.094 | 2.55 | 10 | 64.7 | 1.49 | 12.8 | 38 | 1.13 | 0.298 | 0.331 | < 0.0472 | 4.73 | < 0.0884 | 0.575 | < 0.0787 |
| 3-4 (Duplicate) | 2.64 | 29.5 | NDR 0.058 | 0.477 | 17.1 | 0.14 | 0.08 | 2.48 | 9.81 | 64.5 | 1.46 | 12.2 | 36.7 | 1.11 | 0.304 | 0.291 | < 0.0469 | 4.5 | < 0.0642 | 0.612 | < 0.0572 |
| 6-7 | 2.84 | 30.7 | 0.057 | 0.639 | 18.2 | 0.18 | 0.082 | 2.55 | 10.6 | 67.7 | 1.57 | 12.9 | 38.8 | 1.16 | 0.269 | 0.292 | < 0.0473 | 4.52 | < 0.0714 | 0.654 | < 0.0636 |
| 9-10 | 3.14 | 29.4 | NDR 0.064 | 0.575 | 18.9 | 0.15 | 0.132 | 2.71 | 10.8 | 68.8 | 1.61 | 13.2 | 40.9 | 1.26 | 0.312 | 0.392 | < 0.0466 | 5.19 | < 0.0905 | 0.696 | < 0.0806 |
| 12-14 | 4.28 | 43.8 | 0.086 | 0.88 | 29.9 | 0.265 | 0.19 | 4.06 | 17.2 | 105 | 2.44 | 19.5 | 52.9 | 1.85 | 0.476 | 0.5 | < 0.0474 | 8.46 | < 0.100 | 0.963 | < 0.0892 |
| 14-16 | 6.1 | 50.6 | 0.106 | 1.96 | 39.6 | 0.368 | NDR 0.292 | 5.81 | 21.5 | 130 | 3.04 | 25.2 | 88 | 2.46 | 0.548 | 0.713 | < 0.0475 | 11.5 | < 0.162 | 1.43 | < 0.152 |
| 18-20 | 13.8 | 86.5 | 0.31 | 2.52 | 69.5 | 0.727 | 0.374 | 11 | 40.2 | 220 | 5.15 | 47.8 | 138 | 4.77 | 0.742 | 0.984 | < 0.0473 | 17.8 | < 0.172 | 1.22 | < 0.153 |
| 25-30 | 14.8 | 101 | 0.312 | 3.51 | 91.6 | 0.749 | 0.607 | 13.9 | 53.6 | 288 | 7.36 | 57.9 | 189 | 7.07 | 1.04 | 1.45 | < 0.0505 | 25.4 | < 0.350 | NDR 2.50 | < 0.306 |
| 40-45 | 41.4 | 338 | 0.59 | 10.2 | 187 | 1.16 | 1 | 27.3 | 106 | 620 | 14 | 142 | 380 | 9.01 | 1.2 | 2.23 | < 0.0470 | 35.9 | < 0.553 | 6.18 | < 0.525 |
| **Core 4** | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | NDR 1.44 | 16.1 | <0.0520 | <0.153 | 8.19 | <0.161 | <0.158 | 1.3 | 3.84 | 29 | 0.74 | 6.12 | 17.9 | 0.463 | NDR 0.201 | 0.149 | <0.0520 | 1.7 | <0.162 | 0.275 | <0.147 |
| 14-16 | 1.46 | 14 | 0.079 | <0.0800 | 8.7 | <0.0759 | <0.0763 | 1.27 | 4.78 | 31.4 | 0.799 | 6.12 | 19.1 | 0.558 | 0.182 | 0.191 | <0.0494 | 1.88 | <0.0808 | 0.271 | <0.0745 |
| 14-16 (Duplicate) | 1.92 | 17.7 | 0.112 | <0.106 | 10.4 | <0.111 | <0.109 | 1.61 | 5.28 | 35 | 0.915 | 7.17 | 22.6 | 0.648 | 0.184 | 0.204 | 0.27 | 2.21 | <0.111 | 0.317 | <0.101 |
| 30-35 | 2.55 | 30.9 | 0.141 | <0.128 | 15.6 | <0.135 | <0.132 | 2.23 | 8.29 | 58.6 | 1.37 | 10.8 | 35.3 | 0.967 | 0.296 | 0.286 | <0.0500 | 3.6 | <0.135 | 0.597 | <0.123 |
| **Core 5** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 2.52 | 27.9 | 0.067 | < 0.135 | 20.6 | 0.202 | < 0.148 | 2.61 | 12.6 | 69.2 | 1.56 | 11.7 | 43.5 | 1.24 | 0.288 | 0.327 | < 0.0486 | 6.5 | < 0.135 | NDR 0.578 | < 0.118 |
| 1-2 | 1.64 | 18.7 | <0.0521 | <0.113 | 15.9 | NDR 0.133 | <0.108 | 1.83 | 9.86 | 56.7 | 1.16 | 8.38 | 36.7 | 0.902 | 0.266 | 0.288 | <0.0521 | 3.79 | <0.116 | 0.733 | <0.108 |
| 3-4 | 4.22 | 46.9 | 0.096 | 1.42 | 34.1 | 0.265 | < 0.195 | 4.17 | 19 | 126 | 2.67 | 19.7 | 76.9 | 1.95 | 0.548 | 0.607 | < 0.0488 | 10.5 | < 0.183 | 0.761 | < 0.171 |
| 6-7 | NDR 1.84 | 21.5 | NDR 0.056 | < 0.0744 | 17.1 | 0.156 | 0.136 | 2.05 | 10.2 | 58.5 | 1.39 | 9.4 | 36.9 | 1.09 | 0.267 | 0.301 | < 0.0509 | 5.02 | < 0.0744 | NDR 0.556 | < 0.0651 |
| 9-10 | 2.28 | 24.4 | 0.068 | < 0.0803 | 20.5 | 0.136 | NDR 0.127 | 2.3 | 12.2 | 67.8 | 1.66 | 10.7 | 42.9 | 1.26 | 0.311 | 0.343 | < 0.0480 | 6.16 | < 0.0802 | NDR 0.679 | < 0.0702 |
| 12-14 | 4.05 | 34.5 | NDR 0.114 | < 0.167 | 25.4 | 0.19 | < 0.183 | 3.44 | 15.8 | 84.4 | 2.02 | 15.5 | 53.1 | 1.81 | 0.355 | 0.44 | < 0.0484 | 7.33 | < 0.167 | 0.688 | < 0.146 |
| 14-16 | 4 | 45.8 | 0.072 | <0.117 | 37.1 | NDR 0.295 | <0.111 | 4.49 | 23 | 133 | 3.07 | 20.3 | 87.3 | 2.38 | NDR 0.565 | 0.726 | <0.0464 | 10.2 | <0.120 | 1.28 | <0.112 |
| 18-20 | 3.55 | 33.2 | 0.105 | 1.17 | 26.5 | 0.238 | 0.245 | 3.47 | 16.1 | 88.2 | 2.03 | 15.1 | 56.9 | 1.79 | 0.392 | 0.517 | < 0.0480 | 8.48 | < 0.172 | 1.14 | < 0.159 |
| 25-30 | 6.03 | 53.3 | 0.114 | 1.96 | 41.6 | 0.408 | 0.289 | 5.42 | 25.3 | 139 | 3.26 | 23.3 | 90.1 | 2.94 | 0.47 | 0.745 | < 0.0478 | 13.2 | < 0.172 | 1.19 | < 0.159 |
| 45-50 | 13.1 | 117 | NDR 0.290 | <0.235 | 101 | NDR 0.710 | NDR 0.510 | 11.5 | 59.3 | 335 | 7.18 | 52.8 | 230 | 5.42 | NDR 0.961 | 1.45 | <0.0529 | 24.6 | <0.237 | 2.99 | <0.219 |

Table 7: Continued.

| Sample Depth (cm) | CL4-PCB-50/53 | CL4-PCB-52 | CL4-PCB-54 | CL4-PCB-55 | CL4-PCB-56 | CL4-PCB-57 | CL4-PCB-58 | CL4-PCB-59/62/75 | CL4-PCB-60 | CL4-PCB-61/70/74/76 | CL4-PCB-63 | CL4-PCB-64 | CL4-PCB-66 | CL4-PCB-67 | CL4-PCB-68 | CL4-PCB-72 | CL4-PCB-73 | CL4-PCB-77 | CL4-PCB-78 | CL4-PCB-79 | CL4-PCB-80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 6** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 1.58 | 16.7 | NDR 0.054 | 0.573 | 11.8 | < 0.135 | < 0.165 | 1.57 | 7.35 | 41.3 | 0.959 | 7.19 | 24.6 | 0.739 | 0.221 | 0.219 | < 0.0469 | 3.66 | < 0.139 | 0.385 | < 0.129 |
| 1-2 | NDR 1.32 | 14.7 | < 0.0466 | 0.444 | 11.5 | 0.107 | < 0.0955 | 1.34 | 7.03 | 38.4 | 0.928 | 6.45 | 23.7 | 0.806 | 0.228 | 0.249 | < 0.0466 | 3.45 | < 0.0807 | 0.322 | < 0.0746 |
| 3-4 | NDR 1.63 | 17.8 | < 0.0473 | 0.652 | 12.9 | 0.168 | < 0.189 | 1.75 | 8.06 | 44.4 | 0.954 | 7.49 | 27.6 | 0.787 | 0.241 | 0.211 | < 0.0473 | 3.85 | < 0.159 | 0.465 | < 0.147 |
| 6-7 | 1.98 | 21.2 | < 0.0468 | 0.858 | 15 | < 0.124 | < 0.152 | 2.04 | 9.46 | 52.7 | 1.19 | 8.99 | 31.8 | 1.06 | 0.232 | 0.291 | < 0.0468 | 4.58 | < 0.128 | NDR 0.445 | < 0.118 |
| 9-10 | 2.54 | 24.8 | < 0.0488 | 0.671 | 16.8 | 0.173 | < 0.204 | 2.05 | 10.1 | 58.3 | 1.36 | 10.1 | 35.2 | 1.12 | 0.28 | 0.291 | < 0.0488 | 5.36 | < 0.173 | 0.537 | < 0.160 |
| 9-10 (Duplicate) | 2.43 | 26.5 | NDR 0.079 | 0.628 | 17.5 | NDR 0.161 | < 0.116 | 2.27 | 11 | 60.4 | 1.48 | 10.6 | 36.5 | 1.24 | 0.245 | 0.393 | < 0.0488 | 5.59 | < 0.0977 | NDR 0.582 | < 0.0903 |
| 12-14 | 2.47 | 24.8 | < 0.0469 | < 0.143 | 18.5 | NDR 0.232 | < 0.141 | 2.28 | 11.4 | 67.1 | 1.58 | 11 | 39.7 | 1.17 | NDR 0.287 | 0.35 | 0.48 | 6.02 | < 0.134 | NDR 0.581 | < 0.123 |
| 14-16 | 2.37 | 25.2 | 0.053 | < 0.171 | 17.9 | < 0.159 | < 0.168 | 2.41 | 11 | 63.5 | 1.53 | 10.4 | 38.3 | 1.08 | 0.252 | NDR 0.351 | 0.469 | 5.97 | < 0.160 | NDR 0.532 | < 0.147 |
| 18-20 | 2.54 | 28.1 | NDR 0.048 | < 0.249 | 21.1 | < 0.231 | < 0.245 | 2.76 | 13.3 | 74.7 | 1.75 | 12.3 | 45.6 | 1.21 | 0.309 | 0.37 | NDR 0.558 | 6.63 | < 0.233 | 0.705 | < 0.214 |
| 25-30 | 2.59 | 27.8 | < 0.0532 | < 0.211 | 26.7 | 0.272 | < 0.208 | 2.67 | 16.9 | 93.2 | 2.17 | 12.1 | 57.7 | 1.64 | NDR 0.489 | 0.495 | 0.542 | 8.08 | < 0.197 | 0.776 | < 0.182 |
| 40-45 | 3.59 | 36.4 | 0.061 | < 0.316 | 33 | 0.303 | < 0.311 | 3.74 | 20.2 | 114 | 2.81 | 15.8 | 70.2 | 2.22 | 0.425 | 0.665 | 0.777 | 9.21 | < 0.295 | 1.04 | < 0.272 |
| **Core 7** | | | | | | | | | | | | | | | | | | | | | |
| 0-1 | 1.12 | 12.6 | < 0.123 | < 0.308 | 9.33 | < 0.278 | < 0.291 | 1.23 | 6.01 | 33.8 | 0.726 | 5.17 | 19.5 | 0.594 | < 0.263 | < 0.264 | < 0.0991 | NDR 2.90 | < 0.307 | NDR 0.441 | < 0.266 |
| 1-2 | 1.14 | 13.6 | <0.0474 | <0.201 | 9.01 | <0.192 | <0.192 | 1.1 | 5.38 | 32.7 | NDR 0.714 | 5.26 | 20 | 0.421 | <0.179 | <0.179 | <0.0474 | 2.1 | <0.206 | 0.345 | <0.192 |
| 3-4 | 1.25 | 12.3 | < 0.158 | < 0.315 | 10.7 | < 0.285 | < 0.299 | NDR 1.13 | 6.62 | 37 | 0.849 | 5.69 | 23.5 | 0.535 | < 0.270 | < 0.271 | < 0.116 | 3.18 | < 0.315 | < 0.259 | < 0.273 |
| 3-4 (Duplicate) | 1.71 | 16 | < 0.120 | < 0.402 | 13.8 | < 0.363 | < 0.381 | 1.6 | 8.53 | 44.8 | 1.12 | 7.14 | 26.8 | 0.893 | < 0.344 | < 0.345 | < 0.0857 | 4.86 | < 0.402 | 0.478 | < 0.348 |
| 6-7 | NDR 1.42 | 15.6 | < 0.0932 | < 0.339 | 9.9 | < 0.306 | < 0.321 | 1.16 | 5.7 | 37.3 | 0.883 | 5.43 | 21.8 | NDR 0.799 | < 0.290 | < 0.291 | < 0.0736 | 3.11 | < 0.338 | 0.512 | < 0.293 |
| 9-10 | 1.09 | 9.25 | < 0.0462 | < 0.0831 | 7.01 | < 0.0809 | < 0.0856 | 0.873 | 4.29 | 24.3 | 0.565 | 4.16 | 14.5 | 0.452 | < 0.0783 | NDR 0.108 | < 0.0462 | 2.36 | < 0.0789 | 0.255 | < 0.0736 |
| 12-14 | 1.8 | 14.9 | < 0.213 | < 0.210 | 11.7 | < 0.190 | < 0.199 | 1.47 | 7.39 | 40.1 | 1.12 | 6.41 | 25.6 | 0.653 | 0.289 | NDR 0.201 | < 0.147 | 3.81 | < 0.210 | 0.389 | < 0.182 |
| 14-16 | 1.83 | 16.3 | <0.0501 | <0.0838 | 11 | 0.099 | NDR 0.107 | 1.49 | 6.25 | 38.2 | 0.865 | 6.57 | 23.9 | 0.719 | 0.217 | 0.328 | <0.0501 | 2.42 | <0.0860 | NDR 0.596 | <0.0801 |
| 18-20 | 3.3 | 25 | 0.167 | < 0.413 | 20.6 | < 0.373 | < 0.391 | 2.88 | 12.3 | 66.5 | 1.39 | 12 | 41.3 | NDR 1.10 | < 0.354 | < 0.354 | < 0.124 | 5.37 | < 0.412 | NDR 0.610 | < 0.357 |
| 25-30 | < 0.155 | 1.73 | < 0.194 | < 0.137 | 0.875 | < 0.124 | < 0.130 | 0.181 | 0.621 | 3.53 | < 0.122 | 0.56 | 2.04 | < 0.112 | < 0.118 | < 0.118 | < 0.124 | NDR 0.335 | < 0.137 | < 0.113 | < 0.119 |
| 40-44 | NDR 0.160 | 0.767 | <0.0500 | <0.0500 | 0.58 | <0.0500 | <0.0500 | 0.072 | 0.307 | 1.79 | <0.0500 | NDR 0.290 | 1.04 | NDR 0.055 | <0.0500 | <0.0500 | <0.0500 | NDR 0.177 | <0.0500 | <0.0500 | <0.0500 |

| Core Number/Sample Depth (cm) | CL4-PCB-50/53 | CL4-PCB-52 | CL4-PCB-54 | CL4-PCB-55 | CL4-PCB-56 | CL4-PCB-57 | CL4-PCB-58 | CL4-PCB-59/62/75 | CL4-PCB-XII | CL4-PCB-61/70/74/76 | CL4-PCB-63 | CL4-PCB-64 | CL4-PCB-66 | CL4-PCB-67 | CL4-PCB-68 | CL4-PCB-72 | CL4-PCB-73 | CL4-PCB-77 | CL4-PCB-78 | CL4-PCB-79 | CL4-PCB-80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | 3.2 | 35.7 | NDR 0.084 | 0.67 | 18.8 | < 0.159 | < 0.164 | 2.47 | 11.5 | 72.7 | 1.31 | 11.6 | 44.2 | 1.03 | 0.272 | 0.291 | < 0.0629 | 6.05 | < 0.174 | 0.749 | < 0.149 |
| 9/1-2 | 3.7 | 36 | 0.086 | 0.912 | 27.5 | 0.227 | 0.266 | 3.16 | 17.6 | 98.5 | 1.99 | 14 | 68.6 | 1.61 | 0.474 | 0.491 | < 0.0843 | 9.52 | < 0.179 | 0.937 | < 0.154 |
| 10/0-1 | 5.8 | 60.6 | < 0.208 | < 0.405 | 33.7 | < 0.375 | 0.451 | 4.71 | 18.8 | 124 | 2.61 | 17.5 | 88.9 | 1.69 | 0.931 | 0.862 | < 0.208 | 14.9 | < 0.410 | 1.82 | < 0.352 |
| 11/0-1 | 4.05 | 37.6 | < 0.131 | < 0.211 | 21.8 | < 0.195 | NDR 0.204 | 3.28 | 13.5 | 82 | 1.9 | 12.3 | 57.8 | 1.24 | 0.519 | 0.499 | < 0.131 | 9.63 | < 0.214 | 0.898 | < 0.183 |
| 12/0-1 | 4.07 | 38.8 | NDR 0.124 | < 0.143 | 19 | NDR 0.140 | NDR 0.141 | 2.75 | 11.9 | 73 | 1.44 | 11.2 | 50.4 | 1.15 | 0.298 | 0.387 | < 0.0945 | 7.18 | < 0.145 | 0.78 | < 0.124 |
| 13/0-1 | 2.13 | 18.8 | < 0.0723 | 0.444 | 12.1 | 0.09 | < 0.0896 | 1.59 | 7.72 | 43.7 | 1.03 | 6.82 | 32.1 | 0.681 | 0.199 | 0.24 | < 0.0723 | 4.3 | < 0.0949 | 0.427 | < 0.0815 |
| 14/0-1 | 3.83 | 39.6 | 0.084 | 1.12 | 27.2 | 0.201 | < 0.125 | 3.49 | 16.3 | 96.5 | 1.99 | 16.7 | 62.1 | 1.49 | 0.422 | 0.435 | < 0.0535 | 8.9 | < 0.128 | 0.719 | < 0.111 |
| 15/0-1 | 0.838 | 8.48 | < 0.0505 | 0.177 | 4.4 | < 0.0878 | < 0.0900 | 0.703 | 2.73 | 16.5 | 0.407 | 3.18 | 9.31 | 0.275 | < 0.0831 | < 0.0830 | < 0.0505 | 1.18 | < 0.0919 | NDR 0.164 | < 0.0795 |
| 16/0-1 | 2.26 | 29 | NDR 0.058 | < 0.126 | 13.1 | < 0.121 | < 0.119 | 1.93 | 8.62 | 53.4 | 1.2 | 9.25 | 29.6 | 0.789 | 0.213 | 0.259 | < 0.0501 | 3.81 | < 0.129 | 0.309 | < 0.110 |
| 17/0-1 | 4.87 | 47.2 | < 0.130 | < 0.324 | 24.2 | < 0.311 | < 0.307 | 3.95 | 15.4 | 93.9 | 1.66 | 17.8 | 63.7 | 1.19 | 0.424 | NDR 0.426 | < 0.130 | 8.31 | < 0.333 | NDR 0.630 | < 0.284 |
| 18/0-1 | 0.918 | 11 | < 0.0452 | < 0.131 | 5.59 | < 0.126 | < 0.124 | 0.876 | 3.52 | 20.3 | 0.44 | 3.95 | 11.4 | 0.331 | < 0.135 | < 0.127 | < 0.0452 | 1.72 | < 0.135 | 0.178 | < 0.115 |
| 19/0-1 | 1.61 | 18 | 0.051 | < 0.246 | 9.79 | < 0.236 | < 0.233 | 1.52 | 6.14 | 37.4 | 0.865 | 7.13 | 22.5 | 0.631 | < 0.253 | < 0.238 | < 0.0473 | 3.05 | < 0.253 | NDR 0.260 | < 0.216 |
| 20/0-1 | 5.34 | 53.1 | NDR 0.094 | 1.65 | 32 | < 0.209 | < 0.207 | 4.54 | 21.3 | 120 | 2.52 | 19.4 | 76.7 | 1.71 | 0.503 | 0.543 | < 0.0611 | 9.91 | < 0.225 | 0.517 | < 0.192 |
| 21/0-1 | 13 | 152 | < 0.267 | < 0.867 | 52.4 | < 0.832 | < 0.821 | 9.65 | 31.8 | 195 | 4.22 | 37.5 | 119 | 2.4 | 1.77 | 1.4 | < 0.267 | 22.2 | < 0.892 | NDR 1.87 | < 0.761 |
| 22/0-1 | 2.7 | 26.5 | < 0.130 | < 0.206 | 13.1 | < 0.197 | < 0.195 | 1.95 | 8.65 | 48.4 | 1.25 | 8.32 | 33.6 | NDR 0.668 | 0.257 | NDR 0.256 | < 0.130 | 4.41 | < 0.212 | NDR 0.417 | < 0.180 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | | | | |
| A1 TOP | 2.38 | 27.3 | NDR 0.063 | 0.618 | 12.9 | < 0.305 | < 0.306 | 2.06 | 6.53 | 47.9 | 1.11 | 9.52 | 28.4 | 0.797 | < 0.267 | < 0.296 | < 0.0491 | 3.04 | < 0.308 | 0.586 | < 0.292 |
| A1 BOT | 2.64 | 26.6 | 0.068 | 0.591 | 14.9 | < 0.161 | < 0.162 | 2.09 | 8.08 | 50.5 | 1.13 | 10.5 | 31.2 | 0.817 | NDR 0.224 | 0.252 | < 0.0486 | 3.35 | < 0.163 | 0.496 | < 0.154 |
| B1 TOP | 2.63 | 20.8 | 0.067 | 0.633 | 11.8 | < 0.128 | < 0.128 | 1.97 | 6.87 | 39.1 | 0.937 | 8.85 | 24.2 | 0.732 | NDR 0.123 | NDR 0.154 | < 0.0489 | 2.84 | < 0.129 | 0.355 | < 0.122 |
| B1 BOT | 1.36 | 15.2 | < 0.0492 | 0.549 | 8.94 | NDR 0.074 | < 0.0642 | 1.22 | 5.08 | 30.1 | 0.702 | 5.58 | 19.5 | 0.552 | NDR 0.178 | 0.152 | 0.066 | 2.54 | < 0.0645 | 0.294 | < 0.0612 |

Table 7: Continued.

| Sample Depth (cm) | CL4-PCB-81 | CL5-PCB-82 | CL5-PCB-83/99 | CL5-PCB-84 | CL5-PCB-85/116/117 | CB-86/87/97/109/119/125 | CL5-PCB-88/91 | CL5-PCB-89 | CL5-PCB-90/101/113 | CL5-PCB-92 | CL5-PCB-93/95/98/100/102 | CL5-PCB-94 | CL5-PCB-96 | CL5-PCB-103 | CL5-PCB-104 | CL5-PCB-105 | CL5-PCB-106 | CL5-PCB-107/124 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.480 | 15.2 | 93.8 | 24.8 | 27.6 | 78.9 | 15.1 | 1.26 | 113 | 20.7 | 78.7 | 0.563 | NDR 0.536 | 1.02 | NDR 0.098 | 63.3 | < 0.154 | 4.91 |
| 1-2 | < 0.470 | 12.1 | 70 | 21.6 | 21.7 | 63.7 | 11.9 | 1.25 | 93.6 | 16.4 | 67.6 | 0.456 | 0.48 | NDR 0.848 | < 0.0725 | 52.3 | < 0.336 | 3.84 |
| 3-4 | 0.533 | 18.5 | 124 | 30.9 | 35.4 | 94 | 20.3 | 1.84 | 143 | 25.1 | 105 | 0.743 | 0.842 | 1.47 | < 0.0496 | 76.8 | < 0.139 | 5.69 |
| 6-7 | NDR 0.583 | 17 | 115 | 27 | 33 | 89.4 | 17.3 | 1.68 | 131 | 22.3 | 86.9 | 0.68 | 0.591 | 1.2 | < 0.0482 | 72 | < 0.0647 | 6.33 |
| 9-10 | 0.584 | 19.2 | 131 | 34 | 34.4 | 95 | 22.7 | 1.92 | 148 | 26.4 | 109 | 0.794 | 0.928 | 1.82 | < 0.0497 | 74.9 | < 0.141 | 5.7 |
| 12-14 | 0.749 | 20.8 | 161 | 42.2 | 38.5 | 110 | 29.8 | 2.27 | 175 | 31.6 | 136 | 1.06 | 1.22 | 2.61 | NDR 0.055 | 85.7 | < 0.173 | 6.37 |
| 14-16 | 0.458 | 13.3 | 99.2 | 31.5 | 23.8 | 72.2 | 20.6 | 1.61 | 120 | 22.4 | 95 | 0.813 | 0.84 | 1.91 | < 0.0576 | 54.3 | < 0.180 | 4.16 |
| 18-20 | NDR 0.181 | 4.11 | 35.5 | 9.19 | 7.34 | 22.4 | 7.09 | 0.515 | 38 | 6.77 | 31.3 | 0.306 | 0.299 | 0.852 | < 0.0469 | 17 | < 0.0839 | 1.24 |
| 25-30 | < 0.152 | 0.387 | 2.3 | NDR 0.926 | 0.62 | 2.48 | 0.537 | < 0.0748 | 3.29 | 0.572 | 2.86 | < 0.0776 | < 0.0461 | NDR 0.069 | < 0.0461 | 1.35 | < 0.0831 | 0.198 |
| 50-55 | < 0.0449 | 0.295 | 1.74 | 0.635 | 0.492 | 1.44 | NDR 0.398 | < 0.0722 | 2.08 | 0.41 | 1.86 | < 0.0703 | < 0.0449 | < 0.0516 | < 0.0449 | 0.884 | < 0.120 | < 0.124 |
| **Core 2** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.278 | 14.5 | 69 | 30.5 | 22.6 | 79.4 | 14.4 | 1.69 | 123 | 22.2 | 91.5 | 0.498 | 0.607 | 1.01 | < 0.0471 | 47.2 | < 0.160 | 4.44 |
| 1-2 | NDR 0.572 | 29.2 | 125 | 64.6 | 42.3 | 155 | 28.8 | 3.24 | 230 | 41.6 | 204 | NDR 0.951 | 1.28 | 1.93 | < 0.0474 | 104 | < 0.507 | 9.49 |
| 3-4 | NDR 0.562 | 33.6 | 150 | 80.5 | 48.9 | 194 | 36.3 | 3.87 | 317 | 54.7 | 273 | 1.34 | 1.33 | 2.36 | NDR 0.056 | 125 | < 1.44 | 9.36 |
| 6-7 | 0.692 | 30.3 | 141 | 61.2 | 46.5 | 157 | 29.1 | 3.53 | 225 | 39.7 | 174 | 0.959 | 1.1 | 2.27 | < 0.0478 | 97.9 | < 0.254 | 8.67 |
| 9-10 | 0.833 | 48.3 | 247 | 111 | 76.5 | 274 | 53.8 | 6 | 446 | 77.3 | 357 | 1.82 | 2.12 | 3.62 | < 0.0491 | 192 | < 0.994 | 13.1 |
| 12-14 | 0.676 | 30.8 | 182 | 75 | 49.6 | 164 | 36.5 | 5.41 | 280 | 50.3 | 234 | 1.33 | 1.43 | 3.51 | < 0.0462 | 115 | < 0.573 | 7.74 |
| 14-16 | NDR 1.43 | 77.9 | 366 | 168 | 117 | 425 | 89.2 | 11.5 | 638 | 123 | 580 | 3.3 | 4.05 | 7.74 | NDR 0.086 | 253 | < 0.338 | 23.5 |
| 14-16 (Duplicate) | NDR 1.66 | 66.7 | 310 | 152 | 97.5 | 346 | 73.1 | 10.9 | 554 | 103 | 512 | 2.77 | 3.49 | 7.55 | 0.074 | 213 | < 0.327 | 19.3 |
| 18-20 | 1.52 | 73.1 | 353 | 164 | 112 | 342 | 82.3 | 13.7 | 546 | 103 | 473 | 3.33 | 3.63 | 8.35 | NDR 0.109 | 209 | < 0.718 | 17.5 |
| 25-30 | NDR 0.087 | 1.45 | 6.68 | 3.87 | 2.59 | 6.7 | NDR 2.07 | 0.434 | 6.95 | 1.35 | 11.1 | NDR 0.101 | 0.112 | 0.29 | 0.068 | 4.56 | < 0.0848 | NDR 0.243 |
| 35-40 | < 0.0472 | NDR 0.125 | 0.73 | 0.312 | 0.201 | 0.567 | 0.176 | < 0.0675 | 0.877 | 0.174 | 0.979 | < 0.0657 | < 0.0472 | < 0.0576 | < 0.0472 | 0.302 | < 0.108 | < 0.112 |
| **Core 3** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.165 | 6.15 | 31.9 | 10.2 | 9.99 | 33.2 | 5.88 | 0.566 | 46.7 | 8.46 | 32 | 0.251 | 0.275 | 0.432 | < 0.0477 | 23.2 | < 0.125 | 1.9 |
| 1-2 | NDR 0.312 | 7.56 | 37.5 | 12.9 | 12.6 | 45.1 | 6.96 | 0.709 | 62.4 | 10.9 | 37.7 | 0.277 | NDR 0.286 | 0.395 | < 0.0469 | 32.4 | < 0.171 | 2.93 |
| 3-4 | 0.138 | 6.16 | 32.4 | 10.4 | 10 | 34.6 | 5.92 | 0.61 | 48.3 | 8.65 | 33.4 | 0.24 | 0.312 | 0.407 | < 0.0472 | 24 | < 0.0902 | 2.04 |
| 3-4 (Duplicate) | 0.146 | 6.42 | 34 | 10.6 | 10.2 | 34.9 | 6.35 | 0.6 | 48.4 | 8.64 | 34.6 | 0.274 | 0.312 | 0.387 | < 0.0469 | 24.5 | < 0.0639 | 1.9 |
| 6-7 | 0.185 | 6.92 | 35.7 | 11.6 | 10.9 | 38.1 | 6.8 | 0.662 | 52.9 | 9.39 | 36.8 | 0.29 | 0.307 | 0.414 | < 0.0473 | 25.9 | < 0.103 | 2.14 |
| 9-10 | 0.204 | 7.13 | 37.5 | 12 | 11.6 | 38 | 6.87 | 0.672 | 52.8 | 9.61 | 37.6 | 0.288 | 0.351 | 0.482 | < 0.0466 | 26.1 | < 0.0868 | 2.23 |
| 12-14 | 0.347 | 10.7 | 53.4 | 17.7 | 16.9 | 55.4 | 10.2 | 1.13 | 72.6 | 13 | 53.3 | 0.374 | 0.479 | 0.682 | < 0.0474 | 39.4 | < 0.127 | 3.23 |
| 14-16 | NDR 0.576 | 11.3 | 55.4 | 18.6 | 18.1 | 56.3 | 10.3 | 1.19 | 75.9 | 13.8 | 55.1 | < 1.04 | 0.544 | < 0.914 | < 0.0664 | 43.6 | < 0.288 | 3.48 |
| 18-20 | 0.663 | 16.6 | 77.7 | 27.3 | 24.7 | 76.9 | 15.7 | 2.08 | 98 | 17.9 | 77.7 | 0.642 | 0.833 | 1.2 | < 0.0473 | 57.2 | < 0.0721 | 4.42 |
| 25-30 | 1.27 | 24.5 | 195 | 37.9 | 38.1 | 107 | 24 | < 0.175 | 137 | 25.9 | 105 | 0.997 | 1.34 | 1.89 | < 0.0585 | 83.9 | < 0.153 | 6.53 |
| 40-45 | NDR 1.59 | 66.3 | 279 | 133 | 98.7 | 320 | 68.2 | 9.44 | 404 | 74.2 | 330 | 2.64 | 3.98 | NDR 3.43 | NDR 0.055 | 191 | < 0.722 | 16.6 |
| **Core 4** | | | | | | | | | | | | | | | | | | |
| 1-2 | <0.144 | 2.32 | 13.4 | 4.42 | 4.18 | 11.8 | 2.71 | <0.174 | 17 | 3.48 | 12.8 | <0.164 | NDR 0.156 | 0.163 | <0.0768 | 8.23 | <0.225 | NDR 0.757 |
| 14-16 | 0.068 | 2.57 | 13 | 4.55 | 4.43 | 13.1 | 2.82 | <0.0823 | 18.6 | 3.56 | 13.2 | NDR 0.118 | NDR 0.176 | NDR 0.170 | <0.0494 | 8.56 | <0.0898 | 0.785 |
| 14-16 (Duplicate) | 0.112 | 2.84 | 13.8 | 4.61 | 4.63 | 13.3 | 2.7 | 0.279 | 18.1 | 3.37 | 13.6 | <0.139 | NDR 0.154 | NDR 0.190 | <0.0499 | 9.71 | <0.168 | 0.802 |
| 30-35 | 0.128 | 5.37 | 27.7 | 9.89 | 8.77 | 28.3 | 5.71 | 0.604 | 40.8 | 7.56 | 30.2 | NDR 0.276 | 0.27 | 0.367 | <0.0519 | 20 | <0.217 | 2.05 |
| **Core 5** | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.279 | 5.37 | 49.4 | 7.58 | 9.6 | 26.4 | 4.56 | < 0.0940 | 36.5 | 5.69 | 22.6 | 0.194 | NDR 0.196 | 0.283 | < 0.0532 | 24.2 | < 0.0957 | 1.7 |
| 1-2 | 0.136 | 4.27 | 20.5 | 5.59 | 6.94 | 20 | 3.28 | 0.316 | 30.3 | 5.29 | 19 | NDR 0.145 | 0.142 | NDR 0.176 | <0.0521 | 15.7 | <0.170 | 1.54 |
| 3-4 | NDR 0.368 | 6.74 | 41.7 | 11 | 13.9 | 38.7 | 6.74 | 0.635 | 55.5 | 9.52 | 34.6 | 0.23 | NDR 0.294 | 0.402 | < 0.0488 | 37.5 | < 0.116 | 2.5 |
| 6-7 | NDR 0.168 | 4.35 | 41.2 | 6.19 | 8.08 | 22.1 | 3.8 | < 0.0786 | 29.5 | 5.23 | 18.4 | NDR 0.126 | 0.159 | 0.238 | < 0.0542 | 20.5 | < 0.164 | 1.54 |
| 9-10 | 0.132 | 5.05 | 50 | 7.67 | 9.83 | 26.8 | 4.48 | < 0.0904 | 36.5 | 6.43 | 22.4 | NDR 0.195 | NDR 0.233 | 0.299 | < 0.0489 | 25.3 | < 0.133 | 1.85 |
| 12-14 | 0.295 | 6.5 | 57.5 | 9.47 | 11.1 | 31.8 | 5.48 | < 0.0857 | 42.6 | 7.6 | 27.1 | NDR 0.177 | 0.297 | NDR 0.329 | < 0.0534 | 30.8 | < 0.107 | 2.11 |
| 14-16 | 0.247 | 11 | 54.2 | 15.2 | 19.2 | 53.1 | 8.28 | 0.874 | 73.9 | 13.1 | 44.7 | 0.339 | NDR 0.404 | 0.524 | <0.0464 | 39.3 | <0.299 | 3.57 |
| 18-20 | NDR 0.384 | 7.06 | 35.8 | 9.83 | 12.4 | 33.3 | 5.63 | 0.586 | 44.9 | 7.98 | 28.6 | 0.261 | 0.283 | 0.396 | NDR 0.067 | 31.3 | < 0.122 | 2.54 |
| 25-30 | NDR 0.530 | 11.1 | 54.3 | 15.6 | 18.7 | 52.1 | 9.53 | 0.994 | 69.3 | 12.8 | 48.5 | 0.347 | 0.408 | 0.563 | < 0.0562 | 47.6 | < 0.111 | 3.32 |
| 45-50 | 0.886 | 27 | 107 | 39.3 | 38.9 | 111 | 21.1 | 2.94 | 144 | 27.2 | 103 | 0.753 | 1.19 | 1.31 | <0.0529 | 87.8 | <0.643 | 5.81 |

Table 7: Continued.

| Sample Depth (cm) | CL&-PCB-81 | CL&-PCB-82 | CL&-PCB-83/99 | CL&-PCB-84 | CL&-PCB-85/116/117 | CB-86/87/97/108/119/125 | CL&-PCB-88/91 | CL&-PCB-89 | CL&-PCB-90/101/113 | CL&-PCB-92 | CL&-PCB-93/95/98/100/102 | CL&-PCB-94 | CL&-PCB-96 | CL&-PCB-103 | CL&-PCB-104 | CL&-PCB-105 | CL&-PCB-106 | CL&-PCB-107/124 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 8** | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.152 | 2.98 | 16.3 | 4.2 | 5.63 | 15.6 | 2.55 | 0.26 | 21.6 | 3.8 | 13.2 | NDR 0.120 | NDR 0.113 | 0.213 | < 0.0469 | 14 | < 0.127 | 1.05 |
| 1-2 | NDR 0.198 | 3.13 | 15.5 | 4.05 | 5.13 | 14.5 | 2.53 | 0.25 | 20.3 | 3.34 | 12.2 | 0.11 | 0.091 | 0.184 | < 0.0466 | 13.5 | < 0.114 | 1.03 |
| 3-4 | < 0.172 | 3.38 | 17.3 | 4.38 | 5.63 | 16.1 | 2.78 | 0.301 | 22.9 | 3.73 | 13.6 | < 0.0923 | NDR 0.098 | 0.169 | < 0.0512 | 15.1 | < 0.153 | 0.999 |
| 6-7 | NDR 0.170 | 3.77 | 19.8 | 5.27 | 6.83 | 18.8 | 3.01 | NDR 0.292 | 25.9 | 4.53 | 16.8 | NDR 0.124 | 0.167 | NDR 0.211 | < 0.0477 | 17.8 | < 0.136 | 1.24 |
| 9-10 | NDR 0.218 | 4.7 | 26.1 | 7.43 | 8.69 | 25.5 | 4.39 | NDR 0.430 | 34.9 | 5.91 | 21.5 | 0.141 | 0.235 | NDR 0.250 | < 0.0488 | 21.3 | < 0.111 | 1.65 |
| 9-10 (Duplicate) | NDR 0.174 | 4.78 | 26.3 | 7.16 | 8.45 | 25 | 4.41 | NDR 0.434 | 35.3 | 6.05 | 21.3 | 0.155 | NDR 0.169 | 0.254 | < 0.0488 | 21.9 | < 0.0877 | 1.7 |
| 12-14 | NDR 0.240 | 4.89 | 25.4 | 6.68 | 8.54 | 25 | 4.27 | < 0.0781 | 33.8 | 6.14 | 21.1 | NDR 0.174 | 0.189 | 0.276 | < 0.0469 | 22.6 | < 0.106 | 1.93 |
| 14-16 | 0.233 | 4.82 | 24.2 | 6.57 | 8.43 | 24.3 | 4.18 | < 0.0503 | 34.8 | 5.77 | 20.9 | NDR 0.168 | NDR 0.205 | 0.337 | < 0.0472 | 22.6 | < 0.148 | 1.78 |
| 18-20 | NDR 0.409 | 5.25 | 28.9 | 7.29 | 9.82 | 28 | 4.73 | 0.548 | 38.4 | 6.39 | 22.7 | 0.246 | 0.188 | NDR 0.292 | < 0.0488 | 26.7 | < 0.222 | 1.76 |
| 25-30 | 0.284 | 4.97 | 24.1 | 6.75 | 9.04 | 24.5 | 4.09 | < 0.0711 | 33.5 | 6.09 | 20.7 | NDR 0.149 | 0.216 | NDR 0.225 | < 0.0521 | 29 | < 0.166 | 2.31 |
| 40-45 | < 0.311 | 6.26 | 30.8 | 8.54 | 11 | 31.3 | 5.03 | < 0.0540 | 42.3 | 7.71 | 26.3 | NDR 0.221 | 0.249 | 0.388 | < 0.0481 | 32.8 | < 0.173 | NDR 2.54 |
| **Core 7** | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.334 | NDR 2.13 | 11 | 3.43 | NDR 4.19 | 10.8 | 1.9 | < 0.361 | 16.3 | NDR 2.56 | 10.7 | < 0.352 | < 0.168 | < 0.292 | < 0.197 | 12.1 | < 0.233 | 0.723 |
| 1-2 | <0.156 | 2.81 | 13.9 | 4.43 | 4.7 | 14.2 | 2.46 | 0.233 | 20.9 | 3.74 | 13.3 | 0.084 | 0.12 | NDR 0.151 | <0.0474 | 9.81 | <0.0818 | 1.01 |
| 3-4 | < 0.333 | NDR 2.62 | 11.9 | 3.54 | NDR 4.56 | 11.9 | 1.82 | < 0.329 | 16.5 | 2.54 | 9.87 | < 0.321 | < 0.130 | < 0.267 | < 0.158 | 12.2 | < 0.247 | 0.84 |
| 3-4 (Duplicate) | < 0.427 | 3.31 | 17.1 | 4.54 | 5.9 | 17.4 | 2.86 | < 0.263 | 23.1 | 3.95 | 14.1 | < 0.257 | < 0.165 | < 0.213 | < 0.217 | 16.3 | < 0.490 | NDR 1.03 |
| 6-7 | < 0.365 | 2.82 | 16.5 | 4.71 | 5.48 | 17.8 | 2.77 | < 0.203 | 25.5 | 4.8 | 15.6 | < 0.198 | < 0.167 | < 0.164 | < 0.202 | 16 | < 0.288 | NDR 1.29 |
| 9-10 | NDR 0.107 | 1.86 | 10.1 | 2.64 | 3.31 | 9.48 | 1.61 | < 0.0462 | 12.8 | 2.29 | 8.47 | NDR 0.088 | 0.085 | 0.155 | < 0.0462 | 8.22 | < 0.0734 | 0.7 |
| 12-14 | < 0.218 | 2.66 | 13 | 4.78 | 4.16 | 12.5 | 2.64 | < 0.226 | 16.1 | 3.34 | 12.4 | < 0.221 | < 0.150 | < 0.183 | < 0.193 | 11.4 | < 0.287 | 0.84 |
| 14-16 | 0.126 | 3.19 | 16.8 | 5.58 | 4.93 | 14.8 | 3.22 | 0.298 | 22.2 | 4.49 | 16.2 | 0.168 | NDR 0.175 | 0.34 | <0.0501 | 9.61 | <0.153 | 0.849 |
| 18-20 | < 0.429 | 3.58 | 17.3 | 6.42 | 6.48 | 17.2 | 3.64 | < 0.326 | 22.8 | 3.81 | 15.9 | < 0.316 | NDR 0.222 | NDR 0.267 | < 0.138 | 17.7 | < 0.347 | NDR 1.13 |
| 25-30 | < 0.142 | < 0.256 | 1.37 | < 0.251 | NDR 0.978 | 1.19 | < 0.225 | < 0.235 | 1.69 | NDR 0.398 | NDR 1.23 | < 0.230 | < 0.181 | < 0.181 | < 0.259 | NDR 1.24 | < 0.147 | < 0.164 |
| 40-44 | <0.0500 | NDR 0.131 | 0.546 | NDR 0.193 | 0.156 | 0.617 | 0.141 | <0.0500 | 0.825 | 0.165 | 0.746 | <0.0500 | 0.05 | <0.0500 | <0.0500 | 0.402 | <0.0500 | <0.0500 |

| Core Number/Sample Depth (cm) | CL&-PCB-81 | CL&-PCB-82 | CL&-PCB-83/99 | CL&-PCB-84 | CL&-PCB-85/116/117 | CB-86/87/97/108/119/125 | CL&-PCB-88/91 | CL&-PCB-89 | CL&-PCB-90/101/113 | CL&-PCB-92 | CL&-PCB-93/95/98/100/102 | CL&-PCB-94 | CL&-PCB-96 | CL&-PCB-103 | CL&-PCB-104 | CL&-PCB-105 | CL&-PCB-106 | CL&-PCB-107/124 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | 0.294 | 7.63 | 38.6 | 13.6 | 13.2 | 41.3 | 7.41 | 0.726 | 54.5 | 9.54 | 43.3 | NDR 0.218 | 0.296 | 0.411 | < 0.0829 | 28.6 | < 0.134 | 2.3 |
| 9/1-2 | 0.332 | 7.91 | 42 | 11 | 14.2 | 38.3 | 6.35 | 0.65 | 50.8 | 9.07 | 33.7 | 0.227 | 0.283 | 0.462 | < 0.0843 | 33.9 | < 0.117 | 2.61 |
| 10/0-1 | NDR 0.450 | 13.5 | 81.4 | 21.3 | 25.8 | 66.6 | 13.3 | 1.15 | 98.5 | 17.8 | 68.9 | NDR 0.584 | 0.525 | 0.938 | < 0.208 | 55.1 | < 0.325 | 4.41 |
| 11/0-1 | NDR 0.363 | 7.88 | 47.1 | 11.8 | 15 | 39.2 | 7.54 | 0.828 | 55.9 | 10 | 39.5 | NDR 0.344 | NDR 0.284 | 0.457 | < 0.131 | 33.5 | < 0.239 | 2.42 |
| 12/0-1 | 0.218 | 7.93 | 38 | 13.3 | 12.9 | 40 | 6.83 | 0.664 | 53.4 | 10 | 41.2 | NDR 0.229 | 0.295 | 0.384 | < 0.0945 | 30 | < 0.138 | 2.43 |
| 13/0-1 | 0.153 | 4.21 | 20.8 | 6.24 | 7.59 | 20.1 | 3.68 | 0.324 | 26.2 | 4.71 | 19.3 | NDR 0.132 | 0.152 | 0.225 | < 0.0723 | 17 | < 0.119 | 1.25 |
| 14/0-1 | 0.365 | 9.03 | 45.5 | 14.4 | 15 | 46 | 8.27 | 0.864 | 59.6 | 10.4 | 46.8 | NDR 0.444 | 0.346 | NDR 0.652 | < 0.0535 | 36.7 | < 0.109 | 2.63 |
| 15/0-1 | < 0.0823 | 1.51 | 7.98 | 2.35 | 2.59 | 7.69 | 1.4 | NDR 0.148 | 11 | 1.85 | 7.84 | < 0.0854 | NDR 0.063 | < 0.0698 | < 0.0505 | 5.68 | < 0.0566 | 0.462 |
| 16/0-1 | < 0.123 | 5.31 | 24.9 | 8.45 | 8.45 | 26.5 | 4.57 | 0.415 | 37 | 6.33 | 25.4 | 0.137 | 0.186 | 0.255 | < 0.0501 | 19.6 | < 0.173 | 1.52 |
| 17/0-1 | < 0.326 | 9.62 | 45.3 | 13.8 | 17.4 | 46.2 | 8.44 | 0.715 | 59.8 | 10.9 | 43.4 | 0.276 | 0.272 | NDR 0.541 | < 0.130 | 35.5 | < 0.451 | NDR 2.30 |
| 18/0-1 | < 0.125 | 1.77 | 9.51 | 2.47 | 3.07 | 8.79 | 1.48 | NDR 0.141 | 12.6 | 2.2 | 7.93 | < 0.0452 | 0.07 | 0.104 | < 0.0452 | 7.28 | < 0.0827 | 0.53 |
| 19/0-1 | < 0.236 | 3.43 | 17.2 | 4.63 | 6.02 | 8.85 | 2.98 | NDR 0.284 | 23.8 | 4 | 13.4 | 0.126 | NDR 0.101 | NDR 0.209 | < 0.0473 | 14.1 | < 0.161 | 0.996 |
| 20/0-1 | NDR 0.363 | 10.9 | 53.3 | 16.4 | 18.9 | 52.9 | 9.42 | NDR 1.00 | 71.3 | 12.1 | 51 | 0.309 | 0.308 | 0.719 | < 0.0611 | 41.2 | < 0.331 | 3.09 |
| 21/0-1 | < 0.818 | 29.1 | 165 | 49.6 | 51.3 | 149 | 29 | 2.61 | 233 | 38.8 | 166 | 0.956 | 1.04 | 1.98 | < 0.267 | 105 | < 1.12 | 7.88 |
| 22/0-1 | < 0.201 | 5.97 | 26.4 | 7.5 | 8.76 | 24.4 | 4.48 | 0.469 | 33.1 | 6.14 | 24.3 | NDR 0.186 | 0.19 | 0.319 | < 0.130 | 19.5 | < 0.243 | 1.42 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | |
| A1 TOP | < 0.310 | 4.25 | 27.1 | 8.99 | 7.83 | 28.2 | 5.02 | 0.455 | 41.7 | 7.71 | 28.3 | 0.205 | 0.252 | NDR 0.302 | < 0.0491 | 17.9 | < 0.174 | 1.81 |
| A1 BOT | NDR 0.165 | 4.78 | 26.1 | 9.44 | 8.42 | 28.1 | 4.84 | NDR 0.455 | 38.5 | 7 | 26.9 | NDR 0.185 | 0.262 | 0.269 | < 0.0486 | 18.6 | < 0.111 | 1.81 |
| B1 TOP | NDR 0.145 | 2.5 | 13.2 | 5.02 | 4.27 | 13.9 | 2.6 | 0.309 | 19.2 | 3.27 | 13.8 | < 0.194 | NDR 0.181 | 0.172 | < 0.0489 | 10.9 | < 0.109 | 0.895 |
| B1 BOT | NDR 0.073 | 2.74 | 15.7 | 5.11 | 4.87 | 15.5 | 2.72 | 0.262 | 22.4 | 4.06 | 14.6 | 0.111 | NDR 0.132 | 0.156 | < 0.0492 | 11.7 | < 0.161 | 1.01 |

Table 7: Continued.

| Sample Depth (cm) | CL5-PCB-109 | CL5-PCB-118/115 | CL5-PCB-111 | CL5-PCB-112 | CL6-PCB-114 | CL5-PCB-116 | CL6-PCB-120 | CL6-PCB-121 | CL6-PCB-122 | CL6-PCB-123 | CL6-PCB-126 | CL6-PCB-127 | CL6-PCB-128/166 | CL6-PCB-129/138/160/163 | CL6-PCB-130 | CL6-PCB-131 | CL6-PCB-132 | CL6-PCB-133 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | |
| 0-1 | 12.7 | 130 | NDR 0.214 | < 0.0619 | 2.49 | 142 | 0.831 | NDR 0.087 | 1.54 | 2.43 | 0.884 | < 0.180 | 27.8 | 175 | 10.7 | 1.53 | 43.3 | 2.65 |
| 1-2 | 9.13 | 99.2 | 0.107 | < 0.0735 | 1.95 | 118 | 0.538 | NDR 0.078 | 1.36 | 2.26 | 0.575 | < 0.369 | 20.8 | 129 | 7.97 | 1.11 | 31.6 | 1.85 |
| 3-4 | 14.2 | 152 | NDR 0.257 | < 0.0496 | 2.59 | 174 | 1.02 | 0.098 | 1.72 | 3.04 | 1.21 | < 0.136 | 33.9 | 216 | 12.9 | 1.6 | 51.8 | 3.57 |
| 6-7 | 14.6 | 147 | 0.263 | < 0.0482 | 2.59 | 165 | 1.13 | 0.111 | 1.85 | 2.83 | 1.08 | NDR 0.239 | 31.2 | 205 | 11.9 | 1.43 | 46.1 | 3.06 |
| 9-10 | 15.2 | 154 | 0.309 | < 0.0497 | 2.6 | 174 | 1.19 | NDR 0.126 | 1.78 | 2.94 | 1.15 | 0.256 | 31 | 194 | 11.5 | 1.66 | 48.3 | 3.25 |
| 12-14 | 17 | 185 | 0.404 | < 0.0470 | 2.75 | 198 | 1.69 | 0.172 | 2.11 | 3.44 | 1.44 | 0.237 | 32.2 | 209 | 12.3 | 1.85 | 51.7 | 3.59 |
| 14-16 | 11.2 | 118 | NDR 0.245 | < 0.0576 | 1.71 | 132 | 1.12 | NDR 0.157 | 1.84 | 2.07 | 0.897 | 0.249 | 19.9 | 116 | 6.28 | 1.06 | 29.3 | 2.03 |
| 18-20 | 3.63 | 39.3 | 0.198 | < 0.0469 | 0.604 | 40.5 | 0.529 | 0.074 | 0.486 | 0.767 | 0.547 | NDR 0.096 | 6.38 | 43.3 | 2.9 | 0.401 | 10.3 | 0.971 |
| 25-30 | 0.326 | 3.42 | < 0.0540 | < 0.0502 | NDR 0.213 | 3.18 | NDR 0.054 | < 0.0545 | < 0.0928 | NDR 0.102 | < 0.0920 | < 0.0844 | NDR 0.645 | 3.99 | NDR 0.227 | < 0.113 | 1.2 | < 0.111 |
| 50-55 | 0.204 | 2.15 | < 0.0532 | < 0.0517 | < 0.111 | 2.09 | < 0.0526 | < 0.0524 | < 0.129 | < 0.114 | < 0.125 | < 0.124 | 0.365 | 2.15 | 0.19 | < 0.0449 | 0.525 | NDR 0.070 |
| **Core 2** | | | | | | | | | | | | | | | | | | |
| 0-1 | 8.2 | 142 | NDR 0.058 | < 0.0471 | 2.25 | 109 | 0.36 | < 0.0471 | 1.38 | 1.92 | NDR 0.407 | 0.201 | 32.4 | 205 | 12.3 | 2.41 | 63.9 | 2.75 |
| 1-2 | 17.1 | 275 | NDR 0.079 | < 0.0700 | 4.88 | 250 | NDR 0.649 | < 0.0700 | 3.53 | 4.88 | 0.894 | 1.11 | 77.6 | 476 | 31.7 | 6.23 | 159 | 6.01 |
| 3-4 | 17.3 | 349 | < 0.164 | < 0.180 | 5.73 | 313 | NDR 0.752 | < 0.168 | NDR 2.63 | 4.86 | < 2.06 | < 1.41 | 72.2 | 467 | 28.1 | 5.85 | 155 | 6.4 |
| 6-7 | 17.3 | 287 | NDR 0.135 | < 0.0829 | 4.45 | 228 | 0.926 | 0.086 | 2.78 | 3.71 | 0.895 | 0.536 | 66.7 | 393 | 25.1 | 4.67 | 129 | 5.58 |
| 9-10 | 26.1 | 502 | NDR 0.141 | < 0.0581 | 9.02 | 468 | 0.952 | NDR 0.164 | 4.75 | 7.61 | 1.55 | < 0.978 | 110 | 685 | 41.5 | 8.05 | 215 | 9.26 |
| 12-14 | 16.3 | 298 | 0.132 | < 0.0486 | 4.92 | 272 | 0.935 | NDR 0.167 | 2.95 | 4.91 | 1.08 | < 0.564 | 70.2 | 442 | 27.8 | 4.92 | 141 | 6.44 |
| 14-16 | 44.5 | 759 | NDR 0.302 | < 0.160 | 12 | 612 | 2.2 | 0.279 | 8.65 | 11.4 | 1.79 | 1.78 | 168 | 1070 | 71.6 | 14.1 | 383 | 15.3 |
| 14-16 (Duplicate) | 39.7 | 645 | NDR 0.340 | < 0.176 | 9.96 | 524 | 2.36 | 0.274 | 7.48 | 8.97 | 1.98 | 1.39 | 148 | 1020 | 67.8 | 12.7 | 365 | 15.2 |
| 18-20 | 37.7 | 649 | NDR 0.409 | < 0.118 | 9.01 | 473 | 2.68 | NDR 0.277 | 6.39 | 8.85 | 1.93 | < 0.740 | 138 | 884 | 56.1 | 10.1 | 301 | 12.9 |
| 25-30 | 0.6 | 14.1 | 0.082 | < 0.0486 | NDR 0.230 | 11.1 | 0.116 | < 0.0486 | NDR 0.161 | 0.265 | NDR 0.212 | < 0.0835 | 3.63 | 19.2 | 1.45 | NDR 0.225 | 6.12 | NDR 0.366 |
| 35-40 | < 0.101 | 1.01 | < 0.0497 | < 0.0483 | < 0.0969 | 0.691 | < 0.0491 | < 0.0489 | < 0.116 | < 0.101 | < 0.112 | < 0.112 | 0.197 | 1.27 | NDR 0.126 | < 0.0472 | 0.445 | < 0.0472 |
| **Core 3** | | | | | | | | | | | | | | | | | | |
| 0-1 | 3.64 | 53.4 | < 0.0477 | < 0.0477 | 1.16 | 51.7 | 0.17 | < 0.0477 | 0.606 | 1.3 | 0.317 | < 0.131 | 10.7 | 65.8 | 4.14 | 0.669 | 18.9 | 1.05 |
| 1-2 | 5.42 | 71.1 | < 0.0519 | < 0.0522 | 1.71 | 75.1 | NDR 0.162 | < 0.0521 | 0.98 | 1.95 | 0.43 | < 0.177 | 16.4 | 94 | 6.24 | 1.25 | 27.9 | 1.36 |
| 3-4 | 3.73 | 54.6 | < 0.0492 | < 0.0492 | 1.27 | 53.6 | NDR 0.193 | < 0.0492 | 0.628 | 1.58 | 0.373 | < 0.0946 | 12.5 | 87.5 | 4.92 | 0.844 | 24.8 | 1.3 |
| 3-4 (Duplicate) | 3.88 | 56.7 | < 0.0469 | < 0.0469 | 1.27 | 54.8 | NDR 0.170 | < 0.0469 | 0.651 | 1.34 | 0.261 | < 0.0670 | 11.9 | 74.4 | 4.69 | 0.822 | 20.6 | 1.07 |
| 6-7 | 4.05 | 60.5 | < 0.0555 | < 0.0556 | 1.38 | 57.9 | 0.196 | NDR 0.058 | 0.687 | 1.4 | 0.271 | < 0.109 | 12.2 | 76.1 | 4.64 | NDR 0.848 | 22.3 | 1.05 |
| 9-10 | 4.5 | 63.1 | 0.058 | < 0.0466 | 1.32 | 58.5 | 0.282 | < 0.0466 | 0.682 | 1.24 | 0.345 | < 0.0910 | 12.7 | 76.1 | 4.86 | 0.784 | 22.1 | 1.1 |
| 12-14 | 6.27 | 90.3 | 0.069 | < 0.0474 | 2.03 | 86.7 | 0.33 | < 0.0474 | 1.1 | 1.71 | 0.455 | < 0.133 | 16.7 | 101 | 6.3 | 1.04 | 30.1 | 1.45 |
| 14-16 | 8 | 91.7 | < 0.773 | < 0.777 | 2.01 | 96.8 | < 0.758 | < 0.777 | NDR 1.38 | 1.97 | 0.562 | < 0.299 | 19.1 | 117 | 8.04 | 1.26 | 36.4 | 1.89 |
| 18-20 | 8.62 | 124 | 0.097 | < 0.0473 | 2.93 | 123 | 0.516 | < 0.0473 | 1.72 | 2.45 | 0.609 | 0.29 | 24 | 144 | 9.59 | 1.53 | 44.9 | 2.17 |
| 25-30 | 12.8 | 173 | < 0.120 | < 0.118 | 4.33 | 174 | 0.858 | < 0.123 | 2.52 | 4.16 | 0.856 | < 0.157 | 31.5 | 191 | 13.3 | 2.41 | 62.8 | 3.35 |
| 40-45 | 30.7 | 457 | NDR 0.126 | < 0.109 | 11.3 | 394 | 0.818 | < 0.118 | 7.35 | 8.96 | 1.23 | 0.805 | 74.2 | 450 | 32 | 5.53 | 160 | 5.95 |
| **Core 4** | | | | | | | | | | | | | | | | | | |
| 1-2 | 1.53 | 19.6 | <0.124 | <0.113 | 0.449 | 18.2 | <0.121 | <0.121 | 0.304 | 0.54 | <0.256 | <0.247 | 3.78 | 23.3 | 1.54 | NDR 0.244 | 6.12 | NDR 0.400 |
| 14-16 | 1.78 | 21.2 | <0.0575 | <0.0578 | 0.458 | 19.2 | NDR 0.126 | <0.0587 | 0.34 | NDR 0.414 | 0.111 | <0.0932 | 4.72 | 27.3 | 1.99 | 0.275 | 7.44 | 0.474 |
| 14-16 (Duplicate) | NDR 1.71 | 21.3 | <0.105 | <0.0958 | NDR 0.476 | 21.3 | <0.103 | <0.103 | NDR 0.303 | 0.651 | <0.219 | <0.206 | 4.31 | 25 | 1.76 | 0.251 | 6.88 | 0.413 |
| 30-35 | 3.56 | 46.3 | <0.131 | <0.119 | 0.905 | 45.6 | NDR 0.155 | <0.128 | NDR 0.614 | 0.981 | <0.245 | <0.238 | 9.74 | 54.2 | 3.93 | 0.646 | 15.8 | NDR 0.821 |
| **Core 5** | | | | | | | | | | | | | | | | | | |
| 0-1 | 3.72 | 42 | < 0.0647 | < 0.0637 | NDR 1.09 | 50.5 | NDR 0.235 | < 0.0664 | 0.514 | 1.02 | NDR 0.268 | < 0.0993 | 8.37 | 52.9 | 3.49 | 0.479 | 12.6 | NDR 0.836 |
| 1-2 | 3.19 | 33.8 | <0.0709 | <0.0688 | 0.687 | 33.9 | 0.245 | <0.0685 | NDR 0.556 | 0.863 | NDR 0.246 | <0.176 | 8.98 | 60.3 | 3.91 | 0.435 | 15.1 | 0.89 |
| 3-4 | 6.3 | 60.2 | NDR 0.101 | < 0.0488 | 1.6 | 77 | 0.35 | NDR 0.052 | 1.05 | 1.8 | 0.548 | 0.126 | 12 | 86.7 | 4.8 | NDR 1.75 | 19.1 | 1.16 |
| 6-7 | 3.24 | 34.7 | < 0.0541 | < 0.0532 | 0.942 | 42.8 | NDR 0.206 | < 0.0554 | NDR 0.464 | 0.999 | NDR 0.285 | < 0.169 | 7.32 | 45.6 | 2.87 | 0.31 | 11 | 0.694 |
| 9-10 | 3.76 | 41.3 | NDR 0.065 | < 0.0613 | 1.19 | 51.7 | NDR 0.263 | < 0.0638 | 0.8 | 0.998 | 0.29 | < 0.136 | 9.3 | 55.6 | 3.77 | 0.439 | 13.7 | 0.796 |
| 12-14 | 4.66 | 50.3 | < 0.0589 | < 0.0581 | NDR 1.40 | 63.2 | NDR 0.290 | < 0.0605 | NDR 0.734 | 1.23 | 0.305 | < 0.110 | 15.2 | 79.6 | 5.05 | 0.737 | 18.6 | 1.07 |
| 14-16 | 7.55 | 84.8 | NDR 0.071 | <0.0505 | 1.52 | 86.2 | 0.495 | NDR 0.051 | 1.16 | 1.79 | 0.589 | <0.311 | 20.2 | 117 | 7.82 | 0.94 | 28.1 | 1.74 |
| 18-20 | 4.61 | 51.4 | 0.105 | < 0.0645 | 1.47 | 65.8 | 0.363 | < 0.0703 | 0.871 | 1.66 | 0.553 | < 0.126 | 11.3 | 70.9 | 4.32 | 0.668 | 17.9 | 1.16 |
| 25-30 | 6.82 | 77.6 | NDR 0.142 | < 0.0495 | 2.3 | 96.8 | NDR 0.445 | 0.089 | 1.32 | 2.16 | 0.557 | < 0.115 | 16.9 | 102 | 6.93 | 0.857 | 27.1 | 1.68 |
| 45-50 | 15.9 | 157 | NDR 0.154 | <0.0603 | 4.05 | 178 | 0.782 | NDR 0.071 | 2.74 | 3.37 | 0.756 | <0.668 | 36 | 190 | 13.5 | 1.78 | 54.8 | 3 |

Table 7: Continued.

| Sample Depth (cm) | CL6-PCB-109 | CL6-PCB-110/115 | CL6-PCB-111 | CL6-PCB-112 | CL6-PCB-114 | CL6-PCB-118 | CL6-PCB-120 | CL6-PCB-121 | CL6-PCB-122 | CL6-PCB-123 | CL6-PCB-126 | CL6-PCB-127 | CL6-PCB-128/166 | CL6-PCB-129/138/160/163 | CL6-PCB-130 | CL6-PCB-131 | CL6-PCB-132 | CL6-PCB-133 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 8** | | | | | | | | | | | | | | | | | | |
| 0-1 | 2.31 | 23.6 | < 0.0469 | < 0.0469 | 0.699 | 29.9 | 0.187 | < 0.0469 | 0.396 | 0.658 | NDR 0.172 | < 0.131 | 4.83 | 30.1 | 2.06 | 0.22 | 7.09 | 0.413 |
| 1-2 | 2.09 | 22.8 | < 0.0466 | < 0.0466 | 0.629 | 27.9 | 0.158 | < 0.0466 | 0.397 | 0.523 | NDR 0.195 | < 0.119 | 4.59 | 29 | 1.86 | 0.24 | 9.8 | 0.512 |
| 3-4 | 2.19 | 24.9 | NDR 0.066 | < 0.0582 | 0.65 | 31 | NDR 0.163 | < 0.0634 | 0.377 | 0.665 | NDR 0.188 | < 0.159 | 4.72 | 31.6 | 1.99 | 0.348 | 7.53 | NDR 0.536 |
| 6-7 | 2.8 | 28.7 | < 0.0502 | < 0.0477 | 0.752 | 35.2 | NDR 0.172 | < 0.0520 | 0.435 | 0.874 | 0.277 | < 0.141 | 5.73 | 37.3 | 2.63 | NDR 0.279 | 9.55 | 0.525 |
| 9-10 | 3.18 | 36.9 | < 0.0488 | < 0.0488 | 1.17 | 44.1 | 0.176 | < 0.0494 | 0.686 | 0.872 | NDR 0.277 | < 0.115 | 7.26 | 44.8 | 2.91 | 0.37 | 11.4 | 0.686 |
| 9-10 (Duplicate) | 3.35 | 38.1 | NDR 0.050 | < 0.0488 | 1.03 | 46 | NDR 0.167 | < 0.0488 | 0.602 | 1.11 | 0.37 | < 0.0908 | 7.53 | 47.1 | 3.31 | NDR 0.443 | 12 | 0.771 |
| 12-14 | 3.81 | 38 | < 0.0534 | < 0.0533 | 1.1 | 47 | NDR 0.243 | < 0.0555 | 0.628 | 0.986 | NDR 0.326 | < 0.109 | 7.6 | 48 | 3.11 | 0.372 | 11.3 | 0.782 |
| 14-16 | 3.72 | 37.7 | < 0.0472 | < 0.0472 | 1.09 | 46.9 | 0.291 | < 0.0472 | NDR 0.544 | 0.964 | NDR 0.468 | < 0.152 | 7.68 | 55.7 | 3.12 | 0.44 | 13.5 | 0.724 |
| 18-20 | 4.47 | 42.3 | < 0.0688 | < 0.0687 | 1.2 | 53.9 | 0.336 | < 0.0715 | 0.638 | NDR 1.22 | NDR 0.397 | < 0.229 | 8.81 | 54.7 | 3.65 | NDR 0.427 | 12.6 | 0.857 |
| 25-30 | 5.09 | 37.2 | < 0.0485 | < 0.0485 | 1.19 | 59.8 | 0.23 | < 0.0505 | 0.814 | NDR 1.17 | 0.449 | < 0.171 | 9.59 | 59.9 | 4.08 | 0.454 | 14.9 | 0.956 |
| 40-45 | 5.77 | 46.3 | < 0.0481 | < 0.0481 | 1.43 | 68.2 | NDR 0.272 | < 0.0481 | NDR 0.787 | NDR 1.17 | NDR 0.529 | < 0.179 | 11.2 | 70.4 | 4.74 | NDR 0.667 | 18.1 | 1.11 |
| **Core 7** | | | | | | | | | | | | | | | | | | |
| 0-1 | 1.76 | 19.2 | < 0.263 | < 0.252 | NDR 0.697 | 25.3 | < 0.249 | < 0.259 | 0.4 | 0.578 | < 0.338 | < 0.253 | 3.88 | 25.8 | 1.53 | < 0.217 | 6.14 | 0.426 |
| 1-2 | 1.75 | 22.5 | <0.0549 | <0.0534 | 0.483 | 20.8 | NDR 0.131 | <0.0532 | 0.349 | NDR 0.612 | NDR 0.116 | <0.0851 | 5.05 | 28.3 | 2.22 | 0.28 | 7.19 | 0.431 |
| 3-4 | 1.73 | 19.5 | < 0.240 | < 0.230 | NDR 0.910 | 26.6 | < 0.227 | < 0.236 | NDR 0.427 | 0.81 | < 0.371 | < 0.268 | 3.89 | 20.8 | 1.55 | < 0.196 | 5.91 | NDR 0.427 |
| 3-4 (Duplicate) | 2.75 | 28.2 | < 0.191 | < 0.184 | 0.721 | 38.4 | NDR 0.206 | < 0.188 | < 0.555 | NDR 0.621 | < 0.675 | < 0.522 | 5.74 | 35.1 | 2.15 | < 0.211 | 8.62 | 0.546 |
| 6-7 | 2.42 | 27.2 | < 0.148 | < 0.142 | NDR 0.884 | 34.9 | < 0.140 | < 0.145 | 0.45 | 0.82 | < 0.460 | < 0.313 | 6.19 | 38.6 | 2.91 | NDR 0.428 | 9.82 | 0.756 |
| 9-10 | 1.38 | 13.8 | < 0.0462 | < 0.0462 | 0.469 | 17.4 | NDR 0.076 | < 0.0462 | NDR 0.235 | 0.319 | NDR 0.116 | < 0.0732 | 2.99 | 18.8 | 1.38 | 0.189 | 5.12 | 0.331 |
| 12-14 | NDR 1.75 | 19.2 | < 0.165 | < 0.158 | NDR 0.539 | 24.2 | NDR 0.181 | < 0.162 | < 0.332 | NDR 0.542 | < 0.402 | < 0.312 | 3.2 | 20.8 | 1.43 | < 0.197 | 5.46 | NDR 0.306 |
| 14-16 | 1.86 | 24.1 | <0.0501 | <0.0501 | 0.413 | 20.6 | 0.209 | <0.0501 | 0.332 | 0.502 | NDR 0.193 | <0.159 | 4.42 | 28.3 | 2.05 | NDR 0.262 | 7.48 | NDR 0.476 |
| 18-20 | 2.26 | 29.7 | < 0.237 | < 0.228 | 0.801 | 35.7 | < 0.224 | < 0.234 | NDR 0.407 | 0.759 | < 0.506 | < 0.377 | 4.43 | 28.3 | 1.77 | < 0.207 | 7.57 | 0.519 |
| 25-30 | 0.255 | 1.94 | < 0.171 | < 0.165 | < 0.177 | 2.87 | < 0.162 | < 0.169 | < 0.170 | < 0.186 | < 0.199 | < 0.160 | NDR 0.428 | 2.59 | 0.193 | < 0.110 | 0.868 | < 0.109 |
| 40-44 | 0.093 | 0.689 | <0.0500 | <0.0500 | NDR 0.053 | 0.696 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 0.078 | NDR 0.526 | <0.0500 | <0.0500 | 0.198 | <0.0500 |

| Core Number/Sample Depth (cm) | CL6-PCB-109 | CL6-PCB-110/115 | CL6-PCB-111 | CL6-PCB-112 | CL6-PCB-114 | CL6-PCB-118 | CL6-PCB-120 | CL6-PCB-121 | CL6-PCB-122 | CL6-PCB-123 | CL6-PCB-126 | CL6-PCB-127 | CL6-PCB-128/166 | CL6-PCB-129/138/160/163 | CL6-PCB-130 | CL6-PCB-131 | CL6-PCB-132 | CL6-PCB-133 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | 4.76 | 67.3 | < 0.0829 | < 0.0829 | 1.35 | 94 | 0.258 | < 0.0829 | NDR 0.770 | 1.11 | 0.382 | < 0.140 | 14.1 | 78.9 | 4.92 | 0.826 | 21.1 | 0.959 |
| 9/1-2 | 5.83 | 80.5 | < 0.0843 | < 0.0843 | 1.52 | 71.4 | 0.381 | < 0.0843 | 0.908 | 1.41 | 0.457 | < 0.122 | 14.9 | 84.7 | 5.1 | 0.579 | 19.5 | 1.24 |
| 10/0-1 | 9.92 | 114 | < 0.208 | < 0.208 | 2.14 | 123 | 0.656 | < 0.208 | 1.45 | 2.45 | 0.826 | < 0.339 | 32.3 | 170 | 10.1 | NDR 1.37 | 40.2 | 2.31 |
| 11/0-1 | 5.54 | 61.8 | < 0.131 | < 0.131 | 1.28 | 71.7 | 0.412 | < 0.131 | NDR 0.905 | 1.56 | 0.558 | < 0.249 | 14.8 | 83.6 | 4.98 | 0.588 | 18.2 | 1.32 |
| 12/0-1 | 4.95 | 62.5 | < 0.0945 | < 0.0945 | 1.24 | 66.5 | 0.227 | < 0.0945 | 0.751 | 1.25 | 0.352 | < 0.145 | 14 | 81.3 | 5.03 | 0.755 | 22.2 | 1.14 |
| 13/0-1 | 2.87 | 33.2 | < 0.0723 | < 0.0723 | 0.701 | 36.1 | 0.168 | < 0.0723 | 0.426 | 0.834 | 0.21 | < 0.124 | 7.87 | 43.1 | 2.54 | 0.355 | 10.4 | 0.643 |
| 14/0-1 | 5.61 | 80.1 | < 0.239 | < 0.222 | 1.63 | 78.8 | 0.299 | < 0.239 | 0.967 | 1.58 | 0.518 | < 0.115 | 16.7 | 97.4 | 5.95 | NDR 0.901 | 25.9 | 1.34 |
| 15/0-1 | 0.978 | 13 | < 0.0582 | < 0.0541 | 0.257 | 12.3 | < 0.0545 | < 0.0583 | NDR 0.104 | 0.27 | 0.102 | < 0.0620 | 2.97 | 16.3 | 1.04 | 0.154 | 4.23 | NDR 0.234 |
| 16/0-1 | 3.15 | 43.3 | < 0.0501 | < 0.0501 | 0.763 | 41.1 | 0.181 | < 0.0501 | 0.432 | 0.706 | < 0.192 | < 0.191 | 8.49 | 50.3 | 3.03 | 0.459 | 12.3 | 0.663 |
| 17/0-1 | 5.81 | 72.2 | < 0.130 | < 0.130 | 1.4 | 71.7 | NDR 0.354 | < 0.130 | 0.979 | NDR 1.20 | < 0.486 | < 0.496 | 15.6 | 99.6 | 5.34 | 0.632 | 22.1 | 1.25 |
| 18/0-1 | 1.29 | 14 | < 0.0452 | < 0.0452 | 0.344 | 14.8 | 0.096 | < 0.0452 | 0.192 | 0.298 | NDR 0.107 | < 0.0910 | 2.94 | 18.4 | 1.1 | NDR 0.157 | 4.07 | 0.264 |
| 19/0-1 | 2.4 | 27.1 | NDR 0.065 | < 0.0473 | 0.491 | 29.2 | 0.123 | NDR 0.128 | 0.304 | 0.644 | < 0.168 | < 0.177 | 6.47 | 37.1 | 2.27 | 0.284 | 7.83 | 0.553 |
| 20/0-1 | 6.92 | 83.1 | NDR 0.130 | < 0.0611 | 1.54 | 97.3 | NDR 0.399 | < 0.0613 | 1.09 | 1.86 | NDR 0.438 | < 0.364 | 17.9 | 112 | 6.58 | 0.934 | 27.9 | 1.55 |
| 21/0-1 | 19 | 245 | < 0.267 | < 0.267 | 3.84 | 233 | 0.965 | < 0.267 | 3.02 | 3.92 | 1.18 | < 1.23 | 55.1 | 340 | 19.1 | 2.57 | 83 | 4.89 |
| 22/0-1 | 3.35 | 39.1 | < 0.130 | < 0.130 | 0.906 | 41.4 | 0.213 | < 0.130 | NDR 0.494 | 0.782 | < 0.271 | < 0.267 | 8.83 | 55.6 | 3.24 | 0.366 | 12.4 | 0.767 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | |
| A1 TOP | 3.39 | 41.8 | < 0.0495 | < 0.0491 | 0.923 | 42.3 | NDR 0.187 | < 0.0507 | NDR 0.450 | 1.03 | 0.278 | < 0.180 | 8.47 | 51.6 | 3.88 | 0.536 | 16.4 | 0.983 |
| A1 BOT | 3.78 | 42.4 | < 0.114 | < 0.108 | 1.01 | 42.1 | NDR 0.199 | < 0.116 | 0.589 | 0.958 | NDR 0.265 | < 0.115 | 9.1 | 59.8 | 3.94 | NDR 0.662 | 17.3 | 0.908 |
| B1 TOP | 2.04 | 19.9 | < 0.137 | < 0.130 | 0.5 | 23.1 | < 0.131 | < 0.140 | NDR 0.297 | 0.526 | 0.154 | < 0.112 | 4.36 | 28.5 | 1.85 | 0.324 | 7.67 | NDR 0.415 |
| B1 BOT | 2.12 | 23 | < 0.0525 | < 0.0501 | 0.547 | 25.8 | 0.132 | < 0.0538 | NDR 0.350 | 0.475 | NDR 0.171 | < 0.165 | 5.22 | 33.6 | 2.23 | 0.299 | 8.6 | NDR 0.441 |

Table 7: Continued.

| Sample Depth (cm) | CL6-PCB-134/143 | CL6-PCB-138/161/164 | CL6-PCB-158 | CL6-PCB-137 | CL6-PCB-153/168 | CL6-PCB-141 | CL6-PCB-142 | CL6-PCB-144 | CL6-PCB-145 | CL6-PCB-146 | CL6-PCB-147/149 | CL6-PCB-148 | CL6-PCB-150 | CL6-PCB-151 | CL6-PCB-152/166 | CL6-PCB-155 | CL6-PCB-156/157 | CL6-PCB-158 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | |
| 0-1 | 6.23 | 41.3 | 13.3 | 5.61 | 1.49 | 13.1 | < 0.162 | 3.67 | < 0.0458 | 25.8 | 104 | 0.35 | NDR 0.246 | NDR 0.091 | 157 | NDR 0.083 | 13.7 | 8.39 |
| 1-2 | 5.3 | 30.4 | 10.2 | 4.08 | 1.58 | 10.5 | < 0.199 | 1.46 | < 0.0725 | 19.4 | 80.4 | NDR 0.239 | 0.137 | NDR 0.089 | 111 | < 0.0725 | 11.4 | 7.24 |
| 3-4 | 7.32 | 54.1 | 17.4 | 6.21 | 2.63 | 13 | < 0.202 | 4.93 | < 0.0496 | 33.4 | 138 | 0.514 | 0.324 | 0.145 | 200 | < 0.0496 | 14.9 | 8.53 |
| 6-7 | 6.65 | 45.7 | 14.3 | 5.97 | 2.32 | 12.7 | < 0.193 | 4.43 | NDR 0.064 | 30 | 122 | NDR 0.355 | NDR 0.269 | 0.106 | 178 | NDR 0.053 | 14.8 | 8.94 |
| 9-10 | 7.45 | 52.9 | 16.6 | 5.56 | 2.84 | 12.7 | < 0.152 | 5.03 | < 0.0497 | 32.3 | 131 | 0.504 | 0.364 | 0.134 | 189 | NDR 0.053 | 15 | 9.08 |
| 12-14 | 8.35 | 60.2 | 19.9 | 5.74 | 3.12 | 13.6 | < 0.109 | 5.36 | NDR 0.078 | 35.7 | 148 | 0.566 | 0.565 | NDR 0.152 | 201 | NDR 0.047 | 16.6 | 10.3 |
| 14-16 | 5.18 | 36.1 | 11.7 | 3.58 | 1.89 | 9.45 | < 0.199 | 2.25 | < 0.0576 | 22 | 84.5 | NDR 0.406 | 0.365 | NDR 0.109 | 113 | 0.059 | 10.6 | 7.05 |
| 18-20 | 1.73 | 15.1 | 4.43 | 1.27 | 0.742 | 2.92 | < 0.130 | NDR 1.34 | < 0.0469 | 8.91 | 34.8 | 0.355 | 0.231 | < 0.0469 | 46.2 | NDR 0.056 | 3.62 | 2.53 |
| 25-30 | 0.201 | 1.17 | 0.455 | NDR 0.253 | < 0.103 | 0.586 | < 0.119 | NDR 0.159 | < 0.0461 | 0.742 | 2.62 | < 0.0461 | < 0.0461 | < 0.0461 | 3.06 | NDR 0.057 | 0.574 | NDR 0.444 |
| 50-55 | 0.1 | 0.697 | 0.22 | < 0.0449 | < 0.0449 | NDR 0.214 | < 0.0449 | 0.087 | < 0.0449 | 0.406 | 1.54 | < 0.0449 | < 0.0449 | < 0.0449 | 2.07 | < 0.0449 | 0.219 | 0.095 |
| **Core 2** | | | | | | | | | | | | | | | | | | |
| 0-1 | 9.61 | 64 | 20.2 | 7.12 | 3.37 | 29.7 | < 0.209 | 9.14 | 0.067 | 27.1 | 151 | NDR 0.263 | 0.255 | NDR 0.122 | 159 | < 0.0471 | 22.7 | 19 |
| 1-2 | 23.3 | 133 | 49.2 | 17.8 | 7.41 | 72 | < 0.556 | 20 | 0.168 | 65.7 | 327 | 0.499 | 0.502 | 0.251 | 362 | NDR 0.056 | 63.9 | 48.2 |
| 3-4 | 23.6 | 148 | 39.4 | 16.8 | 6.82 | 80.3 | < 0.532 | 21.4 | NDR 0.097 | 63.9 | 361 | 0.516 | 0.237 | < 0.0478 | 361 | < 0.0478 | 51.6 | 46.6 |
| 6-7 | 19.3 | 126 | 41.5 | 11.8 | 6.56 | 51.6 | < 0.205 | 18.3 | 0.16 | 51.9 | 302 | 0.54 | 0.593 | 0.253 | 301 | < 0.0478 | 44.4 | 36.9 |
| 9-10 | 32.7 | 204 | 57.6 | 22.9 | 10.4 | 106 | < 0.545 | 29.7 | 0.144 | 89.4 | 512 | 0.718 | 0.312 | < 0.0491 | 526 | < 0.0491 | 78.8 | 66.9 |
| 12-14 | 20.8 | 146 | 40.4 | 10.6 | 6.66 | 59.8 | < 0.307 | 20.8 | 0.106 | 62.5 | 354 | 0.642 | NDR 0.187 | < 0.0462 | 351 | NDR 0.048 | 47.5 | 42.2 |
| 14-16 | 57.8 | 349 | 126 | 36.8 | 18.9 | 160 | < 0.734 | 53.5 | 0.383 | 157 | 849 | 1.46 | 1.85 | 0.658 | 856 | NDR 0.075 | 124 | 108 |
| 14-16 (Duplicate) | 55.9 | 362 | 125 | 26.6 | 16.3 | 156 | < 0.678 | 53.1 | 0.294 | 156 | 863 | 1.52 | 1.76 | 0.545 | 850 | 0.092 | 109 | 100 |
| 18-20 | 295 | 317 | 111 | 23.7 | 14.2 | 135 | < 0.753 | 44.9 | NDR 0.263 | 132 | 740 | 1.83 | 1.88 | 0.534 | 710 | NDR 0.090 | 96 | 85 |
| 25-30 | 0.999 | 5.81 | 2.04 | 0.562 | 0.466 | 1.4 | < 0.0703 | 0.612 | < 0.0486 | 2.31 | 14.6 | 0.156 | < 0.0486 | < 0.0486 | 11.2 | < 0.0486 | 1.8 | 1.61 |
| 35-40 | NDR 0.067 | 0.53 | 0.159 | NDR 0.097 | < 0.0472 | NDR 0.149 | < 0.0472 | NDR 0.046 | < 0.0472 | 0.243 | 1.07 | < 0.0472 | < 0.0472 | < 0.0472 | NDR 1.21 | < 0.0472 | 0.16 | NDR 0.095 |
| **Core 3** | | | | | | | | | | | | | | | | | | |
| 0-1 | 2.69 | 16.7 | 5.88 | 3.03 | 1.06 | 8.59 | < 0.0894 | 2.35 | < 0.0477 | 9.31 | 43.3 | NDR 0.139 | 0.091 | NDR 0.050 | 55.3 | 0.099 | 7.93 | 5.51 |
| 1-2 | 4.17 | 22 | 7.6 | 4.54 | 1.62 | 12.8 | < 0.201 | 3.32 | < 0.0469 | 13 | 57.7 | 0.141 | NDR 0.102 | NDR 0.060 | 75.3 | 0.099 | 12.9 | 9.23 |
| 3-4 | 3.36 | 26.2 | 8.88 | 3.27 | 1.18 | 14.4 | < 0.0920 | 3.71 | < 0.0472 | 12.1 | 62.6 | 0.169 | 0.147 | 0.048 | 76.9 | 0.106 | 9.46 | 7.15 |
| 3-4 (Duplicate) | 2.86 | 18.9 | 6.56 | 3.01 | 1.15 | 9.84 | < 0.0856 | 2.68 | < 0.0469 | 10.1 | 48.8 | 0.148 | 0.114 | 0.06 | 61.5 | 0.129 | 8.51 | 5.99 |
| 6-7 | 2.91 | 19.9 | 6.95 | 3.67 | 1.25 | 10.2 | < 0.0860 | 2.87 | < 0.0473 | 10.2 | 47.6 | NDR 0.127 | NDR 0.090 | NDR 0.051 | 62.6 | 0.086 | 8.93 | 6.41 |
| 9-10 | 3.15 | 19.3 | 6.57 | 2.92 | 1.26 | 9 | < 0.0616 | 2.69 | < 0.0466 | 10.3 | 49.5 | NDR 0.145 | NDR 0.109 | 0.055 | 61.6 | 0.048 | 8.7 | 6.18 |
| 12-14 | 4.13 | 25.3 | 8.9 | 3.56 | 1.55 | 9.81 | < 0.144 | 3.53 | < 0.0474 | 13.5 | 65.1 | 0.15 | NDR 0.123 | 0.055 | 80 | < 0.0474 | 11 | 7.82 |
| 14-16 | 5.45 | 33 | 10.5 | 2.87 | 1.88 | 10.7 | < 0.133 | 4.27 | < 0.0475 | 17.9 | 83.7 | NDR 0.229 | 0.144 | NDR 0.091 | 97.2 | < 0.0475 | 11.4 | 8.87 |
| 18-20 | 6.28 | 37.5 | 12.7 | 4.62 | 2.16 | 13.6 | < 0.148 | 5.01 | NDR 0.073 | 19.7 | 94.8 | 0.246 | NDR 0.184 | 0.068 | 114 | < 0.0473 | 15 | 10.6 |
| 25-30 | 9.88 | 60.1 | 20 | 6.39 | 3.57 | 18.6 | < 0.162 | 7.84 | 0.068 | 29.9 | 134 | NDR 0.479 | 0.356 | 0.149 | 159 | < 0.0505 | 21 | 14.6 |
| 40-45 | 25 | 126 | 50.7 | 20 | 8.36 | 54.6 | < 0.541 | 17.6 | 0.26 | 59.4 | 311 | 0.528 | 0.429 | 0.441 | 339 | < 0.0470 | 50.6 | 40.8 |
| **Core 4** | | | | | | | | | | | | | | | | | | |
| 1-2 | 0.95 | 5.95 | 1.99 | 0.995 | NDR 0.395 | 3.06 | <0.126 | NDR 0.944 | <0.0520 | 3.94 | 15.6 | NDR 0.068 | <0.0520 | <0.0520 | 20.9 | <0.0520 | 2.26 | 1.86 |
| 14-16 | 1.2 | 7.48 | 2.32 | 1 | 0.393 | 3.19 | <0.0995 | 0.965 | <0.0494 | 4.86 | 20.3 | NDR 0.060 | <0.0494 | <0.0494 | 23.9 | <0.0494 | 2.74 | 2.26 |
| 14-16 (Duplicate) | 1.14 | 6.86 | 2.21 | NDR 1.03 | NDR 0.432 | 2.96 | <0.0639 | 0.926 | <0.0478 | 4.07 | 17.6 | 0.076 | NDR 0.073 | <0.0478 | 22.7 | <0.0478 | 2.66 | 2.23 |
| 30-35 | 2.47 | 13.9 | 4.67 | 2.37 | 0.93 | 6.49 | <0.124 | 1.88 | <0.0500 | 8.39 | 36.6 | <0.0500 | 0.089 | NDR 0.052 | 43.5 | <0.0500 | 5.57 | 4.73 |
| **Core 5** | | | | | | | | | | | | | | | | | | |
| 0-1 | 1.92 | 12.2 | 3.6 | 2.01 | 0.726 | 4.93 | < 0.133 | 1.44 | < 0.0486 | 8.39 | 28.9 | 0.25 | NDR 0.055 | < 0.0486 | 44.4 | NDR 0.051 | 5.93 | 3.43 |
| 1-2 | 2.37 | 14.8 | 4.25 | <0.121 | 0.607 | 8.21 | <0.119 | 2.24 | <0.0521 | 9.94 | 38.5 | <0.0521 | <0.0521 | <0.0521 | 54.6 | <0.0521 | 5.73 | 4.36 |
| 3-4 | 2.55 | 19 | 5.86 | 2.73 | 1.36 | 6.88 | < 0.651 | 2.07 | < 0.0488 | 13 | 48.2 | 0.308 | 0.098 | < 0.0488 | 72.3 | < 0.0488 | 8.73 | 5.05 |
| 6-7 | 1.64 | 10.4 | 3.14 | 1.45 | 0.585 | 3.94 | < 0.116 | 1.36 | < 0.0509 | 7 | 25.4 | 0.145 | < 0.0509 | < 0.0509 | 38.2 | < 0.0509 | 5.04 | 2.94 |
| 9-10 | 2.01 | 13.2 | 3.84 | 1.94 | 0.736 | 4.97 | < 0.173 | 1.58 | < 0.0480 | 8.66 | 32.3 | NDR 0.185 | NDR 0.065 | < 0.0480 | 47.5 | NDR 0.059 | 6.01 | 3.64 |
| 12-14 | 2.51 | 16 | 4.87 | 3.95 | 1.2 | 7.81 | < 0.176 | 2.07 | < 0.0484 | 10.4 | 38 | NDR 0.237 | NDR 0.056 | < 0.0484 | 58.8 | < 0.0484 | 13.4 | 6.42 |
| 14-16 | 4.27 | 26.4 | 8.02 | 3.75 | 1.44 | 10.6 | <0.196 | 3.46 | <0.0464 | 19 | 65.3 | NDR 0.260 | NDR 0.119 | NDR 0.071 | 99.2 | <0.0464 | 11.4 | 7.81 |
| 18-20 | 2.69 | 16.3 | 5.07 | 2.18 | 0.893 | 5.82 | < 0.203 | 2.01 | < 0.0480 | 10.7 | 39.5 | NDR 0.189 | 0.09 | 0.064 | 57.7 | NDR 0.059 | 7.19 | 4.64 |
| 25-30 | 3.86 | 24.7 | 8.2 | 3.05 | NDR 1.47 | 9.49 | < 0.151 | 3.32 | < 0.0577 | 15.6 | 58.8 | 0.211 | NDR 0.116 | NDR 0.073 | 83.6 | < 0.0483 | 10.9 | 7.21 |
| 45-50 | 8.45 | 51.4 | 16.3 | 6.37 | 2.5 | 18.7 | <0.263 | 5.87 | NDR 0.078 | 32.2 | 125 | 0.326 | 0.182 | NDR 0.135 | 157 | <0.0529 | 19.3 | 14.3 |

Table 7: Continued.

| Sample Depth (cm) | CL6-PCB-134/143 | CL6-PCB-135/151/154 | CL6-PCB-136 | CL6-PCB-137 | CL6-PCB-139/140 | CL6-PCB-141 | CL6-PCB-142 | CL6-PCB-144 | CL6-PCB-145 | CL6-PCB-148 | CL6-PCB-147/149 | CL6-PCB-149 | CL6-PCB-150 | CL6-PCB-152 | CL6-PCB-153/168 | CL6-PCB-155 | CL6-PCB-156/157 | CL6-PCB-158 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 6** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.986 | 6.65 | 2.02 | 1.13 | 0.401 | 3.01 | < 0.144 | 0.893 | < 0.0469 | 4.7 | 16 | 0.193 | 0.076 | < 0.0469 | 24.8 | < 0.0469 | 3.4 | 2.26 |
| 1-2 | 0.954 | 6.87 | 1.97 | 1.15 | 0.329 | 2.92 | < 0.118 | 0.863 | < 0.0466 | 4.32 | 15.6 | 0.158 | < 0.0466 | < 0.0466 | 24.3 | < 0.0466 | 3.4 | 2.17 |
| 3-4 | NDR 0.955 | 6.94 | 2.08 | 1.17 | 0.329 | 2.77 | < 0.0893 | 0.838 | < 0.0473 | 4.64 | 16.9 | < 0.0514 | < 0.0473 | < 0.0473 | 25.5 | < 0.0473 | 3.45 | 2.3 |
| 6-7 | 1.14 | 8.42 | 2.55 | 1.61 | 0.476 | 3.28 | < 0.110 | 0.901 | < 0.0468 | 5.65 | 20 | 0.258 | 0.052 | < 0.0468 | 31 | < 0.0468 | 4.32 | 2.68 |
| 9-10 | 1.64 | 10.4 | 3.44 | 1.99 | 0.628 | 4.46 | < 0.102 | 1.36 | < 0.0488 | 6.8 | 25.2 | 0.204 | 0.059 | < 0.0488 | 36.3 | < 0.0488 | 5.03 | 3.43 |
| 9-10 (Duplicate) | 1.72 | 10.7 | 3.45 | 1.95 | 0.721 | 4.14 | < 0.104 | 1.46 | < 0.0488 | 7.39 | 26.1 | 0.219 | NDR 0.074 | < 0.0488 | 38.8 | < 0.0488 | 5.5 | 3.8 |
| 12-14 | 1.77 | 11.1 | 3.37 | 1.84 | NDR 0.337 | 4.38 | < 0.0849 | NDR 1.44 | < 0.0469 | 7.2 | 26.2 | NDR 0.309 | < 0.0469 | < 0.0469 | 38.6 | < 0.0469 | 5.19 | 3.37 |
| 14-16 | 1.82 | 14.5 | 4.26 | 1.76 | 0.694 | 7.24 | < 0.140 | 1.92 | < 0.0472 | 8 | 31.9 | NDR 0.188 | NDR 0.049 | < 0.0472 | 48.7 | < 0.0472 | 6.18 | 4.33 |
| 18-20 | 1.87 | 12 | 3.43 | 1.78 | 0.73 | 4.54 | < 0.123 | NDR 1.63 | < 0.0502 | 7.99 | 28.3 | NDR 0.169 | 0.081 | < 0.0479 | 44.4 | < 0.0479 | 5.75 | 3.76 |
| 25-30 | 2.12 | 12.9 | 3.75 | 2.03 | 0.78 | 5.97 | < 0.106 | 1.68 | < 0.0481 | 8.6 | 32 | 0.082 | NDR 0.079 | 0.058 | 49.2 | < 0.0481 | 6.72 | 4.47 |
| 40-45 | 2.82 | 17.1 | 5.04 | 2.52 | 1.05 | 7.67 | < 0.144 | NDR 2.18 | < 0.0481 | 11 | 42 | 0.127 | 0.073 | < 0.0481 | 60.5 | < 0.0481 | 7.17 | 5.57 |
| **Core 7** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.985 | 5.6 | NDR 1.64 | NDR 0.994 | < 0.196 | 2.72 | < 0.228 | 0.751 | < 0.157 | 3.87 | 14.1 | < 0.202 | < 0.150 | < 0.143 | 21.6 | < 0.137 | 2.91 | 1.79 |
| 1-2 | 1.07 | 6.73 | 2.02 | 1.07 | NDR 0.426 | 3.03 | <0.109 | 1.07 | <0.0474 | 4.61 | 16.3 | NDR 0.255 | <0.0474 | <0.0474 | 23.7 | <0.0474 | 3.28 | 2.19 |
| 3-4 | NDR 0.956 | 6.31 | NDR 1.66 | 0.928 | NDR 0.431 | 2.66 | < 0.206 | 0.557 | < 0.126 | 3.76 | 15.2 | < 0.162 | < 0.120 | < 0.115 | 23.9 | < 0.112 | NDR 2.79 | 2.02 |
| 3-4 (Duplicate) | 1.09 | 7.06 | 2.22 | 1.26 | 0.453 | 3.07 | < 0.221 | NDR 1.05 | < 0.133 | 5.13 | 20.4 | < 0.171 | < 0.127 | < 0.121 | 30.4 | < 0.122 | 4.29 | 2.62 |
| 6-7 | 1.34 | 8.33 | 2.78 | 1.94 | NDR 0.559 | NDR 4.48 | < 0.159 | NDR 1.22 | < 0.111 | 5.42 | 22.6 | < 0.143 | < 0.106 | < 0.102 | 30.3 | < 0.0919 | 5.98 | 3.45 |
| 9-10 | 0.753 | 4.28 | 1.37 | 0.67 | 0.147 | 1.81 | < 0.0462 | 0.504 | < 0.0462 | 3.08 | 11.3 | NDR 0.079 | < 0.0462 | < 0.0462 | 15.9 | < 0.0462 | 1.92 | 1.34 |
| 12-14 | NDR 0.963 | 6.59 | 1.78 | 0.792 | NDR 0.658 | NDR 1.56 | < 0.207 | 0.725 | < 0.0970 | 3.58 | 14.7 | < 0.125 | NDR 0.103 | < 0.0887 | 18.5 | < 0.0914 | 2.22 | 1.35 |
| 14-16 | 1.18 | 8.02 | 2.66 | 0.846 | 0.492 | 2.52 | <0.138 | 1.09 | <0.0501 | 5.49 | 18.6 | 0.185 | NDR 0.104 | <0.0501 | 24.1 | <0.0501 | 2.69 | 2.12 |
| 18-20 | NDR 1.32 | 7.59 | NDR 2.28 | 1.14 | 0.444 | NDR 2.62 | < 0.217 | NDR 0.924 | < 0.129 | NDR 4.52 | 17.4 | < 0.166 | NDR 0.168 | < 0.118 | 24.4 | < 0.122 | 2.87 | 2.26 |
| 25-30 | NDR 0.230 | NDR 0.780 | NDR 0.254 | < 0.112 | < 0.0990 | NDR 0.124 | < 0.115 | < 0.116 | < 0.0932 | NDR 0.443 | NDR 1.82 | < 0.120 | < 0.0891 | < 0.0852 | NDR 2.27 | < 0.0978 | NDR 0.339 | NDR 0.293 |
| 40-44 | <0.0500 | NDR 0.273 | NDR 0.139 | <0.0500 | <0.0500 | NDR 0.145 | <0.0500 | 0.058 | <0.0500 | 0.159 | 0.677 | <0.0500 | <0.0500 | <0.0500 | 0.646 | <0.0500 | 0.091 | <0.0500 |

| Core Number/Sample Depth (cm) | CL6-PCB-134/143 | CL6-PCB-135/151/154 | CL6-PCB-136 | CL6-PCB-137 | CL6-PCB-139/140 | CL6-PCB-141 | CL6-PCB-142 | CL6-PCB-144 | CL6-PCB-145 | CL6-PCB-148 | CL6-PCB-147/149 | CL6-PCB-149 | CL6-PCB-150 | CL6-PCB-152 | CL6-PCB-153/168 | CL6-PCB-155 | CL6-PCB-156/157 | CL6-PCB-158 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | 3.33 | 17.4 | 6.44 | 3.04 | 1.04 | 7.97 | < 0.221 | 2.11 | < 0.0829 | 9.97 | 45.9 | NDR 0.147 | 0.121 | < 0.0829 | 59.3 | < 0.0829 | 8.19 | 5.41 |
| 9/1-2 | 2.95 | 18 | 5.99 | 2.28 | 0.97 | 6.3 | < 0.214 | 1.77 | < 0.0843 | 11.4 | 47 | NDR 0.151 | < 0.0843 | < 0.0843 | 68.3 | < 0.0843 | 7.86 | 4.55 |
| 10/0-1 | 6.26 | 35.1 | 12 | 5.98 | 2.16 | 13.7 | < 0.419 | 3.98 | < 0.208 | 22.4 | 91.8 | 0.265 | NDR 0.271 | < 0.208 | 131 | < 0.208 | 19.2 | 10 |
| 11/0-1 | 3.02 | 18.9 | 6.17 | 2.85 | 0.985 | 6.08 | < 0.219 | 1.95 | < 0.131 | 11.9 | 49.1 | NDR 0.226 | < 0.131 | < 0.131 | 71.8 | < 0.131 | 7.22 | 4.02 |
| 12/0-1 | NDR 3.25 | 18 | 6.02 | 3.04 | 1.05 | 7.25 | < 0.151 | 2.1 | < 0.0945 | 10.5 | 48.1 | 0.137 | < 0.0945 | < 0.0945 | 62.9 | < 0.0945 | 7.91 | 5.02 |
| 13/0-1 | 1.39 | 9.08 | 2.99 | 1.25 | 0.491 | 3.6 | < 0.126 | 1.02 | < 0.0723 | 5.6 | 23.8 | NDR 0.108 | < 0.0723 | < 0.0723 | 34.2 | < 0.0723 | 3.8 | 2.39 |
| 14/0-1 | 3.76 | 21.4 | 7.5 | 2.8 | 1.34 | 8.58 | < 0.205 | 2.35 | < 0.0535 | 13.1 | 58.3 | NDR 0.181 | NDR 0.120 | NDR 0.059 | 75.7 | < 0.0535 | 10.5 | 5.99 |
| 15/0-1 | 0.571 | 3.56 | 1.11 | 0.62 | NDR 0.219 | 1.76 | < 0.0878 | 0.468 | < 0.0505 | 2.36 | 9.2 | 0.083 | < 0.0505 | < 0.0505 | 13.2 | < 0.0505 | 1.9 | 1.24 |
| 16/0-1 | 1.99 | 10.3 | 3.4 | 2.08 | 0.665 | 5.24 | < 0.160 | 1.34 | < 0.0501 | 7.01 | 26 | 0.225 | 0.072 | < 0.0501 | 37.2 | < 0.0501 | 5.53 | 3.76 |
| 17/0-1 | 3.35 | 19.8 | 6.33 | 2.83 | 1.07 | 8.39 | < 0.326 | 2.24 | < 0.130 | 13.8 | 52.1 | NDR 0.283 | < 0.130 | < 0.130 | 74.4 | < 0.130 | 8.48 | 5.94 |
| 18/0-1 | 0.607 | 3.9 | 1.1 | 0.711 | 0.274 | 1.82 | < 0.0783 | 0.524 | < 0.0452 | 2.7 | 9.44 | 0.148 | < 0.0452 | < 0.0452 | 14.7 | < 0.0452 | 1.75 | 1.27 |
| 19/0-1 | 1.22 | 7.45 | 2.2 | NDR 1.21 | 0.501 | 3.08 | < 0.101 | 0.942 | < 0.0473 | 5.23 | 18.6 | NDR 0.219 | NDR 0.056 | < 0.0473 | 28.9 | < 0.0473 | 3.52 | 2.45 |
| 20/0-1 | 4.12 | 26.7 | 7.84 | 3.23 | 1.51 | 10 | < 0.137 | 2.91 | < 0.0611 | 15.4 | 65.4 | NDR 0.209 | NDR 0.175 | < 0.0611 | 90.2 | < 0.0611 | 10.1 | 6.99 |
| 21/0-1 | 13.5 | 82.7 | 25.7 | 8.89 | 4.23 | 27.5 | < 0.511 | 8.28 | < 0.267 | 49.2 | 203 | NDR 0.854 | NDR 0.449 | < 0.267 | 287 | < 0.267 | 26.3 | 17.2 |
| 22/0-1 | 1.94 | 12.5 | 3.63 | 1.66 | 0.605 | 4.33 | < 0.305 | 1.3 | < 0.130 | 7.92 | 31.4 | < 0.130 | < 0.130 | < 0.130 | 44.8 | < 0.130 | 4.74 | 2.86 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | |
| A1 TOP | 2.71 | 16.4 | 5.65 | 2.88 | 1.03 | 8.25 | < 0.214 | NDR 2.35 | < 0.0491 | 9.19 | 40.5 | NDR 0.150 | NDR 0.093 | < 0.0491 | 54 | NDR 0.115 | 6.3 | 5.32 |
| A1 BOT | 2.68 | 16.3 | 5.42 | NDR 2.93 | NDR 1.02 | 7.44 | < 0.195 | 2.33 | < 0.0486 | 8.92 | 41.2 | NDR 0.124 | 0.099 | NDR 0.050 | 51.7 | NDR 0.093 | 6.55 | 5.11 |
| B1 TOP | 1.24 | 7.14 | 2.31 | 1.22 | NDR 0.481 | 3.36 | < 0.0954 | 1.04 | < 0.0489 | 4.3 | 20 | NDR 0.082 | < 0.0489 | < 0.0489 | 24.5 | < 0.0489 | 2.81 | 2.29 |
| B1 BOT | 1.36 | 7.95 | 2.83 | 1.63 | 0.51 | 3.91 | < 0.114 | 1.19 | < 0.0492 | 4.84 | 20.7 | NDR 0.077 | 0.058 | < 0.0492 | 27.9 | < 0.0492 | 3.54 | 2.62 |

Table 7: Continued.

| Sample Depth (cm) | CL6-PCB-159 | CL6-PCB-161 | CL6-PCB-162 | CL6-PCB-164 | CL6-PCB-165 | CL6-PCB-167 | CL6-PCB-169 | CL7-PCB-170 | CL7-PCB-171/173 | CL7-PCB-172 | CL7-PCB-174 | CL7-PCB-175 | CL7-PCB-176 | CL7-PCB-177 | CL7-PCB-178 | CL7-PCB-179 | CL7-PCB-180/193 | CL7-PCB-181 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.876 | < 0.109 | 0.724 | 9.88 | 0.289 | 5.08 | < 0.182 | 15 | 5.91 | 2.47 | 20.1 | 0.98 | 3.42 | 18.6 | 8.79 | 12.5 | 36.2 | NDR 0.246 |
| 1-2 | 0.666 | < 0.136 | 0.447 | 7.07 | < 0.155 | 4.62 | < 0.234 | 12.4 | 4.63 | 2.06 | 14.3 | NDR 0.654 | 2.31 | 13.4 | 6.03 | 8.33 | 26.4 | NDR 0.187 |
| 3-4 | 1.07 | < 0.136 | 0.713 | 10.9 | 0.323 | 7.23 | < 0.205 | 16.6 | 7.74 | 3.33 | 25.1 | 1.22 | 4.76 | 25.7 | 12.1 | 17.6 | 42.9 | NDR 0.284 |
| 6-7 | NDR 1.09 | < 0.130 | 0.715 | 10.6 | 0.405 | 6.76 | < 0.184 | 16.7 | 6.83 | 2.96 | 22 | 1.11 | 3.75 | 21.1 | 9.68 | 13.7 | 40.6 | 0.274 |
| 9-10 | 0.845 | < 0.102 | 0.841 | 10.3 | 0.495 | 6.95 | < 0.215 | 17.5 | 7.26 | 3.21 | 22.4 | 1.26 | 3.91 | 21.7 | 9.91 | 14.9 | 41.2 | NDR 0.226 |
| 12-14 | 1.11 | < 0.0731 | 0.916 | 11.1 | 0.563 | 7.58 | < 0.209 | 18.2 | 8.29 | 3.68 | 24.3 | 1.58 | 4.48 | 22.8 | 11.2 | 16.4 | 45.3 | NDR 0.256 |
| 14-16 | 0.759 | < 0.136 | 0.519 | 6.41 | < 0.155 | 4.51 | < 0.221 | 13.1 | 5.1 | 2.58 | 15 | 0.911 | 2.26 | 13.6 | 6.64 | 9.05 | 30.9 | NDR 0.154 |
| 18-20 | 0.277 | < 0.0876 | 0.287 | 2.23 | NDR 0.201 | 1.8 | < 0.173 | 5.08 | 2.17 | 1.22 | 6.28 | 0.581 | 1.2 | 5.53 | 3.6 | 4.28 | 13.7 | 0.121 |
| 25-30 | < 0.0753 | < 0.0801 | < 0.0755 | NDR 0.180 | < 0.0881 | NDR 0.156 | < 0.0881 | NDR 0.558 | NDR 0.269 | NDR 0.183 | NDR 0.643 | < 0.0461 | 0.174 | 0.343 | NDR 0.230 | NDR 0.407 | 1.15 | < 0.0461 |
| 50-55 | < 0.0449 | < 0.0449 | < 0.0449 | NDR 0.176 | < 0.0449 | 0.092 | < 0.0741 | 0.371 | NDR 0.113 | NDR 0.077 | NDR 0.334 | < 0.0449 | 0.066 | 0.263 | NDR 0.102 | NDR 0.177 | 0.746 | < 0.0449 |
| **Core 2** | | | | | | | | | | | | | | | | | | |
| 0-1 | 1.66 | < 0.151 | 0.634 | 13.5 | < 0.184 | 7.95 | < 0.223 | 43.4 | 16.8 | 8.24 | 48.2 | 2.47 | 6.66 | 34.3 | 11.7 | 24.7 | 92.2 | 0.449 |
| 1-2 | 6.66 | < 0.372 | 1.49 | 33.2 | < 0.421 | 21.4 | < 1.05 | 124 | 40.2 | 19.7 | 104 | 5.37 | 14.9 | 75.1 | 23.9 | 45.2 | 214 | 1.33 |
| 3-4 | 3.35 | < 0.386 | 1.45 | 33 | < 0.418 | 17.9 | < 0.364 | 106 | 38.8 | 19.8 | 115 | 5.51 | 16 | 76.8 | 26.1 | 53.6 | 217 | 0.907 |
| 6-7 | 3.01 | < 0.149 | 1.22 | 26.9 | 0.362 | 15.9 | < 0.365 | 80.5 | 32 | 14.2 | 88.1 | 4.6 | 12.5 | 65.4 | 21.8 | 44.7 | 152 | 0.805 |
| 9-10 | 4.41 | < 0.396 | 2.2 | 48.7 | < 0.428 | 26.8 | < 0.409 | 155 | 55.9 | 25.4 | 157 | 8.07 | 22.3 | 108 | 36.8 | 76.6 | 283 | 1.41 |
| 12-14 | 3.32 | < 0.223 | 1.3 | 32.4 | 0.486 | 17.2 | < 0.283 | 100 | 40.4 | 17.4 | 108 | 5.07 | 15.4 | 78.4 | 28.3 | 53 | 190 | 0.889 |
| 14-16 | 13.8 | < 0.491 | 2.84 | 76.6 | 0.985 | 42.4 | < 1.77 | 251 | 85.6 | 41.2 | 230 | 12.1 | 34.6 | 164 | 54.9 | 105 | 456 | 2.35 |
| 14-16 (Duplicate) | 14.7 | < 0.454 | NDR 2.25 | 75.3 | 0.915 | 40.1 | < 1.72 | 269 | 93 | 44.8 | 248 | 13.5 | 37.5 | 176 | 60.8 | 115 | 493 | 2.2 |
| 18-20 | 6.9 | < 0.547 | 2.79 | 64.1 | 1.09 | 35.2 | NDR 0.621 | 226 | 78.4 | 41 | 228 | 12.3 | 31.4 | 160 | 54.1 | 106 | 442 | 1.76 |
| 25-30 | 0.187 | < 0.0511 | 0.077 | 1.08 | 0.072 | 0.705 | < 0.0750 | 8.31 | 3.33 | 1.1 | 8.79 | NDR 0.616 | 1.3 | 7.32 | 2.58 | 5.21 | 13.5 | NDR 0.065 |
| 35-40 | < 0.0472 | < 0.0472 | < 0.0472 | NDR 0.088 | < 0.0472 | NDR 0.072 | < 0.0581 | 0.423 | NDR 0.145 | NDR 0.077 | 0.354 | < 0.0472 | < 0.0472 | NDR 0.324 | 0.1 | NDR 0.176 | 0.786 | < 0.0472 |
| **Core 3** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.606 | < 0.0615 | 0.19 | 3.94 | < 0.0687 | 2.75 | < 0.0721 | 13.7 | 4.36 | 2.37 | 13.4 | 0.71 | 1.88 | 9.36 | 3.67 | 6.56 | 29 | 0.172 |
| 1-2 | NDR 0.963 | < 0.135 | 0.376 | 5.76 | < 0.153 | 4.06 | < 0.157 | 18.5 | 5.56 | 2.99 | 15.8 | 0.748 | 2.22 | 11.4 | 4.25 | 7.01 | 37.5 | NDR 0.233 |
| 3-4 | 1.23 | < 0.0633 | < 0.0651 | 5.51 | NDR 0.084 | 3.43 | < 0.166 | 28.3 | 9.41 | 4.97 | 29.9 | 1.41 | 4.24 | 18.7 | 6.86 | 13.4 | 62.5 | NDR 0.224 |
| 3-4 (Duplicate) | 0.73 | < 0.0589 | NDR 0.237 | 4.36 | < 0.0658 | 2.95 | < 0.0821 | 18.8 | 5.68 | 3.27 | 17 | 0.873 | 2.25 | 12 | 4.47 | 7.89 | 39.6 | 0.196 |
| 6-7 | 0.645 | < 0.0592 | 0.303 | 4.5 | < 0.0661 | 2.97 | < 0.0791 | 15.4 | 4.87 | 2.7 | 15.2 | 0.714 | 2.08 | 10.5 | 4.13 | 7.44 | 31.9 | 0.161 |
| 9-10 | 0.581 | < 0.0466 | NDR 0.265 | 4.85 | < 0.0473 | 3.08 | < 0.0781 | 13.7 | 4.83 | 2.39 | 14.5 | 0.781 | 2.14 | 10.6 | 4.13 | 7.22 | 28.3 | 0.15 |
| 12-14 | < 0.0994 | < 0.0994 | < 0.102 | 6.39 | < 0.111 | 4.01 | < 0.107 | 15.1 | 6.21 | 2.54 | 17.1 | 0.961 | 2.69 | 14.1 | 5.3 | 9.2 | 28.2 | 0.202 |
| 14-16 | 1.19 | < 0.0892 | 0.383 | 7.62 | 0.114 | 4.49 | < 0.178 | 19 | 7.93 | 3.18 | 21.8 | 1.16 | 3.48 | 18.3 | 6.68 | 11.8 | 38.1 | NDR 0.255 |
| 18-20 | 1.18 | < 0.102 | 0.466 | 9.53 | < 0.114 | 5.76 | < 0.123 | 23.6 | 9.62 | 4.12 | 27.5 | 1.55 | 4.45 | 22.7 | 7.99 | 14.2 | 46 | NDR 0.348 |
| 25-30 | 1.96 | < 0.109 | NDR 0.601 | 13.3 | < 0.127 | 7.66 | < 0.281 | 34.7 | 14.5 | 6.45 | 42.5 | 2.41 | 7.63 | 32.5 | 13.9 | 24.7 | 68.1 | 0.351 |
| 40-45 | 3.96 | < 0.360 | 1.19 | 29.8 | < 0.409 | 16.2 | < 0.526 | 63.2 | 23.4 | 11 | 67.7 | 3.71 | 12.1 | 46.5 | 18.9 | 37.3 | 123 | 0.809 |
| **Core 4** | | | | | | | | | | | | | | | | | | |
| 1-2 | NDR 0.353 | <0.0841 | <0.0856 | 1.25 | <0.0970 | 0.812 | <0.0881 | 4.52 | 1.44 | 0.916 | 4.72 | 0.238 | NDR 0.675 | 3.53 | 1.53 | 2.38 | 10.4 | <0.0520 |
| 14-16 | NDR 0.302 | <0.0688 | NDR 0.081 | 1.62 | <0.0831 | 0.953 | <0.0771 | 4.86 | 1.8 | 0.881 | 5.05 | 0.262 | 0.674 | 3.93 | NDR 1.55 | 2.52 | 10.2 | <0.0494 |
| 14-16 (Duplicate) | 0.267 | <0.0478 | <0.0478 | 1.46 | <0.0494 | 0.986 | <0.0861 | 4.36 | 1.66 | 0.801 | 4.08 | 0.241 | 0.67 | 3.76 | 1.31 | 2.13 | 8.55 | NDR 0.058 |
| 30-35 | NDR 0.630 | <0.0830 | 0.179 | 2.96 | <0.0957 | 1.86 | <0.0911 | 8.19 | 3.05 | 1.55 | 8.28 | 0.504 | 1.3 | 7.2 | 2.62 | 4.16 | 16.3 | NDR 0.071 |
| **Core 5** | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.366 | < 0.0896 | 0.19 | 2.97 | < 0.104 | 2.24 | < 0.0930 | 8.78 | 2.87 | 1.47 | 7.98 | 0.366 | 1.16 | 7.36 | 2.93 | 4.32 | 17 | NDR 0.104 |
| 1-2 | 0.691 | <0.0868 | 0.175 | NDR 4.49 | <0.0986 | 2.36 | <0.116 | 11.7 | 3.79 | 2.34 | 10.5 | 0.533 | 1.42 | 9.14 | 3.29 | 4.69 | 22.9 | NDR 0.090 |
| 3-4 | 0.572 | < 0.452 | < 0.480 | 4.12 | < 0.514 | 3.38 | < 0.530 | 13.7 | 4.87 | 2.17 | 12.8 | 0.682 | 1.94 | 13.2 | 4.99 | 7.31 | 26.9 | 0.078 |
| 6-7 | 0.357 | < 0.0780 | NDR 0.156 | 2.49 | < 0.0907 | 1.84 | < 0.0803 | 7.23 | 2.65 | 1.36 | 6.63 | 0.292 | 1.06 | 6.87 | 2.56 | 3.93 | 14.2 | 0.072 |
| 9-10 | 0.377 | < 0.117 | < 0.118 | 3.1 | < 0.136 | 2.35 | < 0.123 | 8.88 | 3.06 | 1.39 | 8.51 | NDR 0.484 | NDR 1.39 | 8.37 | 3.25 | 5 | 16.6 | NDR 0.105 |
| 12-14 | 0.535 | < 0.119 | 0.277 | 4.3 | < 0.138 | 3.93 | < 0.127 | 14.3 | 4.77 | 2.06 | 11.1 | 0.482 | 1.67 | 10 | 3.77 | 5.94 | 24.6 | NDR 0.225 |
| 14-16 | 0.883 | <0.143 | NDR 0.413 | 6.31 | NDR 0.193 | 4.55 | 0.206 | 15.6 | 5.83 | 2.68 | 15.2 | 0.787 | 2.55 | 16.7 | 6.25 | 8.87 | 31.3 | NDR 0.189 |
| 18-20 | 0.541 | < 0.136 | NDR 0.304 | 3.84 | < 0.157 | 2.9 | < 0.145 | 11.8 | 4.28 | 2.04 | 11.5 | 0.563 | 1.91 | 10.9 | 4.51 | 6.43 | 23.1 | NDR 0.140 |
| 25-30 | 0.719 | < 0.102 | 0.348 | 6.22 | NDR 0.170 | 4.29 | < 0.156 | 17.1 | 6.53 | 3.07 | 16.9 | 0.835 | 2.73 | 15.9 | 6.49 | 9.58 | 33.6 | NDR 0.163 |
| 45-50 | 1.35 | <0.182 | 0.935 | 10.7 | NDR 0.329 | 6.7 | <0.166 | 25.8 | 8.92 | 4.64 | 27.4 | 1.42 | 4.25 | 24.1 | 9.72 | 14.9 | 51.1 | NDR 0.251 |

Table 7: Continued.

| Sample Depth (cm) | CL6-PCB-159 | CL6-PCB-161 | CL6-PCB-163 | CL6-PCB-164 | CL6-PCB-165 | CL6-PCB-167 | CL6-PCB-169 | CL7-PCB-170 | CL7-PCB-171/173 | CL7-PCB-172 | CL7-PCB-174 | CL7-PCB-175 | CL7-PCB-176 | CL7-PCB-177 | CL7-PCB-178 | CL7-PCB-179 | CL7-PCB-180/193 | CL7-PCB-181 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 6** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.186 | < 0.0969 | NDR 0.129 | 1.71 | < 0.111 | 1.25 | < 0.102 | 5.92 | 1.97 | 1.05 | 4.86 | 0.252 | 0.667 | 4.33 | 1.6 | 2.31 | 10.8 | 0.069 |
| 1-2 | 0.19 | < 0.0795 | < 0.0788 | 1.58 | < 0.0913 | 1.26 | < 0.0834 | 5.86 | 1.82 | 1.04 | 4.72 | NDR 0.290 | 0.724 | 4.47 | 1.52 | 2.27 | 10.8 | < 0.0466 |
| 3-4 | NDR 0.265 | < 0.0601 | NDR 0.175 | 1.83 | < 0.0690 | 1.25 | < 0.0711 | 5.88 | 2.04 | 1.03 | 4.66 | NDR 0.312 | 0.679 | 4.22 | NDR 1.67 | 2.35 | 10.6 | 0.112 |
| 6-7 | NDR 0.245 | < 0.0743 | 0.161 | 1.94 | < 0.0853 | 1.64 | < 0.0801 | 6.33 | 2.2 | 1.22 | 5.42 | NDR 0.362 | 0.822 | 5.11 | 2.06 | 2.9 | 12.1 | < 0.0577 |
| 9-10 | NDR 0.320 | < 0.0584 | NDR 0.174 | 2.35 | < 0.0786 | 1.83 | < 0.0739 | 8.28 | 3 | 1.57 | 7.65 | NDR 0.365 | 1.06 | 6.28 | 2.36 | 3.75 | 16.2 | NDR 0.139 |
| 9-10 (Duplicate) | 0.355 | < 0.0700 | 0.183 | 2.82 | < 0.0804 | 2.1 | < 0.0747 | 8.11 | 2.76 | 1.61 | 7.24 | 0.425 | 1.12 | 6.61 | 2.56 | 3.48 | 15.2 | < 0.0488 |
| 12-14 | 0.344 | < 0.0577 | 0.185 | 2.59 | < 0.0651 | 1.99 | < 0.0761 | 7.92 | 3.2 | 1.59 | 7.22 | 0.421 | 1.07 | 6.97 | 2.63 | 3.76 | 15.4 | NDR 0.052 |
| 14-16 | 0.68 | < 0.0949 | < 0.0947 | 3.09 | < 0.107 | 2.29 | < 0.140 | 17.1 | 5.33 | 3.07 | 15.4 | 0.706 | 2.05 | 11.6 | 4.19 | 6.2 | 37.7 | < 0.0472 |
| 18-20 | NDR 0.326 | < 0.0835 | 0.179 | 2.89 | < 0.0943 | 2.22 | < 0.0870 | 9.49 | 3.27 | 1.56 | 8.38 | NDR 0.546 | 1.22 | 7.82 | 3.28 | 4.5 | 17.4 | NDR 0.104 |
| 25-30 | NDR 0.392 | < 0.0719 | 0.267 | 3.13 | < 0.0812 | 2.52 | < 0.0861 | 9.7 | 3.5 | 1.72 | 8.04 | 0.46 | 1.3 | 7.58 | 2.78 | 4.13 | 17.9 | 0.109 |
| 40-45 | 0.588 | < 0.0979 | NDR 0.285 | 3.86 | < 0.111 | 2.76 | < 0.118 | 12.1 | 4.51 | 2.07 | 11.5 | 0.535 | 1.7 | 10.4 | 3.61 | 5.61 | 24.1 | < 0.0481 |
| **Core 7** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.268 | < 0.156 | < 0.162 | 1.52 | < 0.173 | NDR 1.16 | < 0.188 | 4.68 | NDR 1.43 | 0.806 | 4.19 | NDR 0.271 | NDR 0.582 | 3.74 | NDR 1.57 | 2.23 | 9.43 | < 0.168 |
| 1-2 | 0.255 | <0.0799 | NDR 0.133 | 1.65 | <0.0907 | 1.19 | <0.0921 | 4.15 | 1.55 | NDR 0.789 | 3.7 | NDR 0.229 | 0.59 | 4.16 | 1.38 | 1.89 | 6.57 | NDR 0.075 |
| 3-4 | NDR 0.225 | < 0.141 | 0.168 | NDR 1.54 | < 0.157 | NDR 1.24 | < 0.174 | 5.45 | 1.68 | 0.86 | 5.35 | NDR 0.178 | 0.897 | 4.05 | 1.83 | 2.46 | 14.1 | < 0.132 |
| 3-4 (Duplicate) | NDR 0.272 | < 0.151 | < 0.157 | 2.12 | < 0.168 | 1.7 | < 0.181 | 5.59 | 2 | NDR 1.04 | 4.72 | NDR 0.356 | NDR 0.813 | 4.84 | 1.96 | 2.61 | 10.2 | 0.154 |
| 6-7 | 0.267 | < 0.109 | NDR 0.146 | 2.43 | < 0.121 | 1.87 | < 0.146 | 5.24 | 1.67 | 1.05 | 4.24 | NDR 0.206 | 0.601 | 3.55 | 1.35 | 2.14 | 9.23 | < 0.132 |
| 9-10 | 0.158 | < 0.0462 | 0.08 | 1.08 | < 0.0462 | 0.729 | < 0.0471 | 2.96 | 0.99 | NDR 0.518 | 2.77 | 0.153 | 0.45 | 2.8 | 1.13 | 1.83 | 5.69 | < 0.0462 |
| 12-14 | 0.232 | < 0.141 | < 0.147 | 0.962 | < 0.157 | NDR 1.03 | < 0.168 | 3.37 | 1.5 | NDR 0.762 | 3.25 | 0.3 | NDR 0.580 | NDR 3.01 | 1.43 | 2.09 | 7.07 | < 0.140 |
| 14-16 | NDR 0.204 | <0.101 | NDR 0.139 | 1.64 | <0.115 | 1.03 | <0.107 | 4.74 | 1.84 | 1.06 | 4.83 | 0.338 | 0.774 | 4.62 | NDR 1.70 | 2.8 | 10.8 | <0.0501 |
| 18-20 | NDR 0.163 | < 0.148 | 0.276 | 1.67 | < 0.165 | NDR 1.30 | < 0.176 | NDR 4.86 | 1.83 | NDR 0.976 | 4.7 | NDR 0.274 | 0.684 | 3.96 | 1.54 | 2.28 | 10.4 | < 0.127 |
| 25-30 | < 0.0801 | < 0.0786 | < 0.0817 | NDR 0.236 | < 0.0874 | NDR 0.139 | < 0.0932 | NDR 0.508 | 0.212 | < 0.115 | 0.368 | < 0.100 | < 0.0757 | 0.507 | 0.139 | 0.125 | NDR 1.15 | < 0.105 |
| 40-44 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | NDR 0.051 | <0.0631 | 0.114 | <0.0500 | <0.0500 | 0.15 | <0.0500 | <0.0500 | 0.081 | <0.0500 | 0.102 | NDR 0.293 | <0.0500 |

| Core Number/Sample Depth (cm) | CL6-PCB-159 | CL6-PCB-161 | CL6-PCB-163 | CL6-PCB-164 | CL6-PCB-165 | CL6-PCB-167 | CL6-PCB-169 | CL7-PCB-170 | CL7-PCB-171/173 | CL7-PCB-172 | CL7-PCB-174 | CL7-PCB-175 | CL7-PCB-176 | CL7-PCB-177 | CL7-PCB-178 | CL7-PCB-179 | CL7-PCB-180/193 | CL7-PCB-181 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | 0.57 | < 0.153 | NDR 0.321 | 4.23 | < 0.172 | 3.09 | < 0.172 | 9.44 | 3.65 | 1.62 | 10.6 | 0.516 | 1.71 | 9.49 | 3.67 | 6.04 | 19.8 | NDR 0.156 |
| 9/1-2 | 0.52 | < 0.148 | 0.291 | 4.29 | < 0.167 | 3.19 | < 0.168 | 9.24 | 3.68 | 1.53 | 10.7 | 0.514 | 1.93 | 11.6 | 4.76 | 7.03 | 19.1 | NDR 0.161 |
| 10/0-1 | 0.957 | < 0.291 | NDR 0.678 | 8.63 | < 0.325 | 6.98 | < 0.330 | 20.9 | 7.49 | 3.25 | 19.5 | 0.979 | 3.18 | 18.9 | 7.93 | 11.1 | 38.9 | NDR 0.394 |
| 11/0-1 | 0.54 | < 0.152 | 0.332 | 4.18 | < 0.171 | 3.18 | < 0.166 | 8.41 | 3.33 | 1.42 | 10.1 | NDR 0.605 | 1.62 | 11.1 | 4.57 | 6.95 | 19.2 | 0.213 |
| 12/0-1 | 0.492 | < 0.105 | 0.329 | 4.37 | < 0.118 | 3.04 | < 0.115 | 8.12 | 3.14 | 1.33 | 8.86 | 0.438 | 1.48 | 8.53 | 3.54 | 5.63 | 16.6 | NDR 0.219 |
| 13/0-1 | NDR 0.259 | < 0.0877 | 0.198 | 2.14 | < 0.0987 | 1.67 | < 0.0938 | 5.18 | 2.05 | 0.807 | 5.77 | NDR 0.257 | 0.932 | 5.91 | 2.22 | 3.5 | 10.9 | < 0.0723 |
| 14/0-1 | 0.682 | < 0.143 | 0.284 | 5.5 | < 0.166 | 3.94 | < 0.156 | 15.3 | 5.39 | 2.41 | 16.3 | 0.701 | 2.55 | 15.7 | 5.54 | 8.86 | 30.6 | 0.183 |
| 15/0-1 | 0.116 | < 0.0612 | < 0.0640 | 0.899 | < 0.0711 | 0.659 | < 0.0694 | 2.75 | 0.951 | 0.458 | 2.57 | NDR 0.117 | 0.371 | 2.12 | 0.825 | 1.21 | 5.67 | < 0.0505 |
| 16/0-1 | 0.244 | < 0.119 | 0.127 | 2.69 | < 0.135 | 1.86 | < 0.120 | 7.23 | 2.46 | 1.29 | 6.41 | 0.421 | 0.961 | 5.58 | 2.2 | 3.28 | 14.9 | NDR 0.091 |
| 17/0-1 | 0.535 | < 0.244 | < 0.247 | 4.83 | < 0.275 | 3.37 | < 0.242 | 12.5 | 4.82 | 2.12 | 12.4 | 0.722 | 2.1 | 12.1 | 5.41 | 7.85 | 25.3 | < 0.130 |
| 18/0-1 | NDR 0.072 | < 0.0583 | < 0.0589 | 0.916 | < 0.0657 | 0.616 | < 0.0579 | 3.12 | 1.04 | 0.551 | 2.78 | NDR 0.192 | NDR 0.401 | 2.35 | NDR 1.04 | 1.5 | 6.5 | < 0.0452 |
| 19/0-1 | NDR 0.149 | < 0.0753 | NDR 0.124 | 1.84 | < 0.0848 | 1.45 | < 0.0734 | 5.19 | 1.93 | 0.899 | 4.72 | NDR 0.241 | 0.697 | 4.56 | 1.97 | 2.46 | 9.88 | 0.061 |
| 20/0-1 | 0.594 | < 0.102 | NDR 0.347 | 5.65 | NDR 0.213 | 3.89 | < 0.0980 | 13.8 | 5.27 | 2.38 | 15.9 | 0.771 | 2.61 | 14.2 | 5.97 | 10.2 | 30.2 | NDR 0.133 |
| 21/0-1 | 1.56 | < 0.380 | NDR 0.978 | 18.3 | < 0.428 | 11.2 | < 0.370 | 31.9 | 12.5 | 5.55 | 43.8 | 1.81 | 7.69 | 40.3 | 17.6 | 29.1 | 75.7 | NDR 0.496 |
| 22/0-1 | < 0.227 | < 0.227 | < 0.229 | 2.84 | < 0.256 | NDR 2.10 | < 0.228 | 5.61 | 2.32 | 0.908 | 6.65 | 0.368 | NDR 1.19 | 6.77 | 3 | 4.66 | 13.1 | < 0.130 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | |
| A1 TOP | NDR 0.583 | < 0.142 | < 0.124 | 3.34 | < 0.162 | 2.2 | < 0.169 | 11.3 | 3.28 | 2.22 | 10.6 | 0.622 | 1.71 | 6.95 | 3.48 | 5.9 | 25.4 | NDR 0.112 |
| A1 BOT | 0.568 | < 0.130 | 0.176 | 3.27 | < 0.147 | 2.23 | < 0.131 | 12.2 | 3.65 | 2.26 | 10.9 | 0.63 | 1.78 | 7.41 | 3.37 | 5.79 | 25.4 | 0.128 |
| B1 TOP | 0.273 | < 0.0535 | NDR 0.088 | 1.65 | < 0.0722 | 1.04 | < 0.0710 | 5.39 | 1.72 | 1.02 | 4.98 | 0.288 | 0.765 | 3.58 | 1.62 | 2.71 | 11.6 | NDR 0.054 |
| B1 BOT | 0.332 | < 0.0758 | 0.137 | 1.71 | < 0.0861 | 1.29 | < 0.0881 | 7.16 | 2 | 1.23 | 5.68 | NDR 0.324 | 0.847 | 4.67 | 1.76 | 2.77 | 15.9 | NDR 0.057 |

Table 7: Continued.

| Sample Depth (cm) | CL7-PCB-182 | CL7-PCB-183/185 | CL7-PCB-184 | CL7-PCB-186 | CL7-PCB-187 | CL7-PCB-188 | CL7-PCB-189 | CL7-PCB-190 | CL7-PCB-191 | CL7-PCB-192 | CL8-PCB-194 | CL8-PCB-196 | CL8-PCB-198 | CL8-PCB-197/200 | CL8-PCB-199/180 | CL8-PCB-201 | CL8-PCB-202 | CL8-PCB-203 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Core 1 | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.210 | < 0.0468 | < 0.0468 | < 0.0468 | 48.7 | NDR 0.120 | 0.615 | 4.17 | 0.415 | < 0.0468 | 7.32 | 4.55 | 4.46 | 2.08 | 19.1 | 2.24 | 5.23 | 9.36 |
| 1-2 | 0.197 | 8.52 | < 0.0725 | < 0.0725 | 32 | NDR 0.092 | NDR 0.531 | 3.41 | 0.436 | < 0.0725 | 5.13 | 3.2 | 3.4 | NDR 1.48 | 13.6 | 1.51 | 3.15 | 6.52 |
| 3-4 | NDR 0.278 | 16 | 0.095 | < 0.0496 | 68.7 | 0.216 | 0.814 | 4.76 | NDR 0.476 | < 0.0496 | 8.55 | 6 | 5.86 | 3.24 | 25.9 | 3.16 | 7.05 | 12.3 |
| 6-7 | 0.12 | < 0.0482 | 0.07 | < 0.0482 | 58 | NDR 0.169 | 0.79 | 4.73 | 0.573 | < 0.0482 | 7.89 | 5.29 | 5.12 | 2.39 | 22 | 2.58 | 5.92 | 10.3 |
| 9-10 | NDR 0.240 | < 0.0497 | 0.084 | < 0.0497 | 57.2 | 0.164 | 0.801 | 4.44 | 0.519 | < 0.0497 | 8.27 | 4.95 | 5.48 | 2.56 | 22.1 | 2.76 | 5.92 | 9.98 |
| 12-14 | NDR 0.304 | < 0.0470 | NDR 0.127 | < 0.0470 | 63.6 | 0.266 | 0.891 | 4.71 | 0.651 | < 0.0470 | 10.7 | 6.01 | 7.56 | 3.34 | 29.8 | 3.49 | 7.47 | 13.7 |
| 14-16 | NDR 0.219 | 11.7 | 0.065 | < 0.0576 | 35.1 | NDR 0.206 | NDR 0.610 | 3 | 0.445 | < 0.0576 | 7.23 | 3.3 | 5.23 | 1.8 | 16.5 | 2 | 3.96 | 7.43 |
| 18-20 | NDR 0.141 | 6.53 | NDR 0.095 | < 0.0469 | 18.2 | 0.175 | 0.354 | 1.14 | 0.248 | < 0.0469 | 5.05 | 1.94 | 3.6 | 1.15 | 10.9 | 1.42 | 2.86 | 4.75 |
| 25-30 | < 0.0461 | < 0.0461 | NDR 0.056 | < 0.0461 | 0.92 | < 0.0461 | NDR 0.078 | NDR 0.128 | 0.064 | < 0.0461 | 0.328 | 0.173 | NDR 0.145 | 0.18 | NDR 0.562 | 0.077 | 0.15 | 0.398 |
| 50-55 | < 0.0449 | NDR 0.203 | < 0.0449 | < 0.0449 | 0.683 | < 0.0449 | < 0.0449 | NDR 0.052 | < 0.0449 | < 0.0449 | 0.159 | 0.064 | 0.102 | < 0.0449 | NDR 0.332 | NDR 0.050 | NDR 0.081 | 0.159 |
| Core 2 | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.298 | 37.6 | 0.08 | < 0.0471 | 71.5 | 0.103 | 2.1 | 9.17 | 2.05 | < 0.0471 | 21.9 | 9.72 | 13.4 | 5.35 | 29.2 | 4.03 | 7.14 | 17.7 |
| 1-2 | NDR 0.658 | 77.8 | 0.134 | < 0.0474 | 134 | 0.188 | 5.26 | 24.4 | 5.31 | < 0.0474 | 47.3 | 21.6 | 27.5 | 10.3 | 62.8 | 7.76 | 11.8 | 35.9 |
| 3-4 | NDR 0.557 | 80 | NDR 0.082 | < 0.0478 | 152 | 0.171 | 4.33 | 22.1 | 4.8 | < 0.0478 | 48.3 | 21.9 | 29.1 | 10.8 | 54.6 | 9.24 | 14.2 | 37.1 |
| 6-7 | 0.57 | 72.9 | NDR 0.164 | < 0.0478 | 136 | 0.227 | 3.75 | 17.9 | 3.76 | < 0.0478 | 37 | 18.9 | 24.2 | 9.35 | 58.1 | 8.07 | 14.1 | 34 |
| 9-10 | 0.765 | 119 | 0.161 | < 0.0491 | 219 | 0.26 | 6.8 | 33.4 | 6.92 | < 0.0491 | 62.2 | 31.6 | 41.8 | 13.8 | 92 | 11.9 | 20.8 | 54.2 |
| 12-14 | 0.549 | 86.2 | 0.11 | < 0.0462 | 162 | 0.273 | 4.56 | 22.4 | 5.07 | < 0.0462 | 45.2 | 22.9 | 28.8 | 10.3 | 68.4 | 9.31 | 16.1 | 39.9 |
| 14-16 | 1.39 | 177 | NDR 0.201 | < 0.0476 | 307 | 0.586 | 10.9 | 50.1 | 11.3 | < 0.0476 | 107 | 49.9 | 65.7 | 22.2 | 145 | 18.4 | 26.5 | 82.5 |
| 14-16 (Duplicate) | 1.51 | 194 | 0.222 | < 0.0483 | 328 | 0.565 | 11.3 | 54.5 | 12.3 | < 0.0483 | 116 | 54 | 69.9 | 23.4 | 155 | 19.4 | 29.6 | 88.7 |
| 18-20 | 1.19 | 173 | 0.27 | < 0.0493 | 307 | 0.719 | 9.35 | 43.8 | 10.5 | NDR 0.128 | 95.9 | 42.3 | 60.6 | 19.6 | 130 | 18.2 | 33.1 | 74.9 |
| 25-30 | NDR 0.114 | 6.24 | 0.201 | < 0.0486 | 13.7 | NDR 0.190 | 0.342 | 1.71 | 0.228 | < 0.0486 | 7.43 | 3.84 | 5.23 | 2.11 | 15 | 2.36 | 4.73 | 7.75 |
| 35-40 | < 0.0472 | NDR 0.313 | < 0.0472 | < 0.0472 | 0.599 | < 0.0472 | < 0.0472 | NDR 0.079 | < 0.0472 | < 0.0472 | NDR 0.209 | NDR 0.090 | NDR 0.127 | NDR 0.067 | 0.378 | 0.06 | NDR 0.076 | 0.172 |
| Core 3 | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.126 | 10.7 | 0.18 | < 0.0477 | 22.7 | NDR 0.050 | 0.519 | 2.82 | 0.504 | 0.048 | 7.24 | 2.9 | 3.82 | 1.47 | 10.4 | 1.31 | 2.64 | 5.9 |
| 1-2 | NDR 0.136 | 12.2 | 0.171 | < 0.0469 | 24.1 | NDR 0.055 | 0.734 | 3.69 | 0.745 | < 0.0469 | 8.75 | 3.73 | 4.67 | 1.8 | 12.1 | 1.55 | 2.51 | 6.69 |
| 3-4 | 0.184 | 22.3 | 0.213 | < 0.0472 | 41.3 | NDR 0.068 | 1.18 | 6.04 | 1.17 | < 0.0472 | 15.7 | 6.6 | 8.76 | 2.86 | 18.6 | 2.26 | 4.09 | 11.1 |
| 3-4 (Duplicate) | 0.13 | 13.3 | 0.223 | < 0.0469 | 27.3 | NDR 0.052 | 0.876 | 3.9 | 0.717 | < 0.0469 | 10.8 | 4.48 | 5.53 | 1.79 | 13.3 | 1.63 | 3.17 | 7.88 |
| 6-7 | 0.131 | 11.8 | 0.158 | < 0.0473 | 24.7 | 0.055 | 0.621 | 3.09 | 0.597 | < 0.0473 | 7.82 | 3.21 | 4.11 | 1.45 | 10.8 | 1.35 | 2.76 | 6.24 |
| 9-10 | 0.108 | 11.1 | 0.081 | < 0.0466 | 24.9 | 0.055 | 0.63 | 2.97 | 0.566 | < 0.0466 | 7.64 | 3.5 | 4.49 | 1.64 | 12.6 | 1.6 | NQ | 6.98 |
| 12-14 | 0.094 | 14.5 | NDR 0.057 | < 0.0474 | 31.7 | < 0.0474 | 0.688 | 3.88 | 0.655 | 0.053 | 9.97 | 4.03 | 4.8 | 1.72 | 13.7 | 1.84 | 3.54 | 7.82 |
| 14-16 | 0.118 | 18.2 | NDR 0.052 | < 0.0475 | 39.3 | NDR 0.080 | 0.848 | 4.88 | 0.883 | < 0.0475 | 9.68 | 5.69 | 5.68 | 2.69 | 18.8 | 2.54 | 4.16 | 10.3 |
| 18-20 | 0.182 | 22.2 | NDR 0.048 | < 0.0473 | 49.8 | 0.085 | 1.06 | 6.2 | 1 | < 0.0473 | 11.3 | 6.43 | 7.7 | 2.94 | 22 | 2.97 | 5.59 | 12.4 |
| 25-30 | 0.408 | 34.2 | NDR 0.071 | < 0.0505 | 72 | 0.206 | 1.55 | 9.77 | 1.76 | < 0.0505 | 18.9 | 11.4 | 15.8 | 5.65 | 44 | 5.58 | 9.53 | 24.1 |
| 40-45 | 0.507 | 52.4 | NDR 0.104 | < 0.0470 | 103 | 0.133 | 2.74 | 15.4 | 2.92 | < 0.0470 | 30.7 | 16.5 | 21.4 | 8.58 | 54.1 | 7.03 | 10.3 | 31.5 |
| Core 4 | | | | | | | | | | | | | | | | | | |
| 1-2 | NDR 0.061 | 3.64 | <0.0520 | <0.0520 | 7.9 | <0.0520 | 0.182 | 0.921 | 0.172 | <0.0520 | 2.38 | 0.969 | 1.2 | 0.475 | 3.72 | 0.479 | 0.837 | 1.74 |
| 14-16 | <0.0494 | 3.76 | <0.0494 | <0.0494 | 8.03 | <0.0494 | 0.224 | 1.18 | NDR 0.234 | <0.0494 | 3.02 | 1.48 | 1.96 | 0.773 | 5.14 | 0.566 | 1.22 | 2.75 |
| 14-16 (Duplicate) | 0.066 | 3.32 | <0.0478 | <0.0478 | 6.97 | <0.0478 | NDR 0.157 | 0.838 | 0.229 | <0.0478 | 2.03 | 1.02 | 1.22 | 0.472 | 3.11 | NDR 0.409 | 0.789 | 1.68 |
| 30-35 | 0.086 | 6.58 | <0.0500 | <0.0500 | 14.1 | 0.05 | NDR 0.369 | 1.82 | NDR 0.340 | <0.0500 | 3.75 | 1.92 | 2.36 | 0.883 | 6.12 | 0.817 | 1.39 | 3.32 |
| Core 5 | | | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.150 | 6.25 | < 0.0486 | < 0.0486 | 17.2 | 0.06 | NDR 0.443 | 1.98 | NDR 0.271 | < 0.0486 | 4.93 | 2.8 | 2.7 | 1.17 | 8.56 | NDR 0.966 | 2.25 | 5.04 |
| 1-2 | NDR 0.148 | 7.33 | <0.0521 | <0.0521 | 17 | NDR 0.053 | 0.591 | 2.47 | 0.474 | <0.0521 | 5.63 | 3.08 | 2.44 | NDR 1.08 | 6.88 | NDR 0.914 | 2.1 | 3.53 |
| 3-4 | 0.071 | 10.1 | < 0.0488 | < 0.0488 | 29.8 | 0.076 | 0.673 | 3.57 | 0.524 | < 0.0488 | 7.17 | 4.04 | 3.85 | 1.36 | 13.5 | 1.63 | 4.11 | 7.35 |
| 6-7 | 0.071 | 5.18 | < 0.0509 | < 0.0509 | 15.1 | < 0.0509 | 0.367 | 1.86 | NDR 0.265 | < 0.0509 | 3.25 | 2.02 | 2.13 | 0.889 | 7.15 | 0.875 | 2.03 | 4.18 |
| 9-10 | NDR 0.100 | 6.2 | NDR 0.055 | < 0.0480 | 17.4 | NDR 0.093 | 0.476 | 2.15 | NDR 0.330 | < 0.0480 | 4.16 | 2.75 | 2.37 | 1.12 | 8.08 | 1.09 | 2.2 | 4.69 |
| 12-14 | NDR 0.112 | 8.44 | NDR 0.082 | < 0.0484 | 22.3 | NDR 0.067 | NDR 0.716 | 3.26 | NDR 0.528 | < 0.0484 | 6.74 | 3.4 | 4 | 1.67 | 12.4 | 1.5 | 3.28 | 7.72 |
| 14-16 | NDR 0.180 | 11.3 | NDR 0.073 | <0.0464 | 35.4 | NDR 0.104 | 0.728 | 3.83 | 0.555 | <0.0464 | 7.47 | 5.13 | 4.46 | 2.39 | 16.1 | 2.05 | 4.55 | 8.41 |
| 18-20 | NDR 0.148 | 8.71 | < 0.0480 | < 0.0480 | 24.9 | NDR 0.093 | 0.535 | 2.72 | 0.492 | < 0.0487 | 5.35 | NDR 3.32 | 3.46 | 1.51 | 11.2 | 1.48 | 2.92 | 6.14 |
| 25-30 | NDR 0.172 | 12.8 | NDR 0.048 | < 0.0478 | 35.6 | NDR 0.083 | 0.843 | 4.32 | 0.584 | < 0.0517 | 7.95 | 4.95 | 4.97 | 2.44 | 17.2 | 1.95 | 4 | 9.12 |
| 45-50 | 0.239 | 18.7 | <0.0529 | <0.0529 | 53 | NDR 0.109 | NDR 1.23 | 5.87 | 0.844 | <0.0529 | 14.3 | 7.39 | 8.63 | 3.58 | 26.4 | 2.96 | 6.64 | 14.7 |

Table 7: Continued.

| Sample Depth (cm) | CL7-PCB-183 | CL7-PCB-183/185 | CL7-PCB-184 | CL7-PCB-186 | CL7-PCB-187 | CL7-PCB-188 | CL7-PCB-189 | CL7-PCB-190 | CL7-PCB-191 | CL7-PCB-192 | CL8-PCB-194 | CL8-PCB-195 | CL8-PCB-196 | CL8-PCB-197/200 | CL8-PCB-198/199 | CL8-PCB-201 | CL8-PCB-202 | CL8-PCB-203 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 6** | | | | | | | | | | | | | | | | | | |
| 0-1 | 0.098 | 4.11 | < 0.0469 | < 0.0469 | 9.34 | < 0.0469 | 0.286 | 1.15 | 0.208 | < 0.0469 | 2.84 | 1.37 | NDR 1.83 | 0.531 | 4.49 | 0.631 | NDR 1.04 | 2.47 |
| 1-2 | 0.076 | 4.06 | < 0.0466 | < 0.0466 | 9.5 | 0.048 | 0.309 | 1.14 | 0.194 | < 0.0466 | 2.79 | 1.35 | NDR 1.70 | 0.523 | 4.78 | 0.627 | 1.31 | 2.43 |
| 3-4 | < 0.0554 | 4.28 | < 0.0473 | < 0.0473 | 9.58 | < 0.0473 | 0.254 | 1.11 | NDR 0.224 | < 0.0492 | 2.83 | 1.55 | 1.74 | 0.577 | 4.86 | 0.588 | 1.34 | 2.67 |
| 6-7 | < 0.0549 | 4.67 | < 0.0468 | < 0.0468 | 11.5 | < 0.0468 | 0.296 | 1.4 | NDR 0.259 | < 0.0486 | 3.24 | 1.7 | 2.1 | 0.71 | 5.77 | 0.693 | 1.62 | 2.96 |
| 9-10 | NDR 0.065 | 5.95 | < 0.0488 | < 0.0488 | 14.5 | NDR 0.050 | NDR 0.309 | 1.79 | 0.255 | < 0.0488 | 4.76 | 2.18 | 2.63 | 1.04 | 7.05 | 0.986 | 1.71 | 3.85 |
| 9-10 (Duplicate) | < 0.0488 | 5.99 | < 0.0488 | < 0.0488 | 14.4 | < 0.0488 | 0.438 | 1.73 | NDR 0.298 | < 0.0488 | 3.96 | 2.05 | 2.46 | 0.934 | 6.99 | 0.903 | 1.8 | 3.66 |
| 12-14 | 0.107 | 6.09 | < 0.0469 | < 0.0469 | 15.2 | NDR 0.055 | NDR 0.372 | 1.83 | NDR 0.231 | < 0.0469 | 4.06 | 1.91 | 2.45 | 0.923 | 7.32 | 1.02 | 1.97 | 4.28 |
| 14-16 | NDR 0.134 | 12.3 | < 0.0472 | < 0.0472 | 24.3 | NDR 0.101 | 0.727 | 3.94 | 0.778 | < 0.0472 | 11.2 | 4.41 | 6.79 | 1.85 | 15.5 | 1.84 | 2.97 | 8.78 |
| 18-20 | < 0.0598 | 7.11 | < 0.0479 | < 0.0482 | 17.5 | 0.048 | 0.545 | 2.21 | NDR 0.303 | < 0.0533 | 4.18 | 2.39 | 2.92 | 1.03 | 8.66 | 1.05 | 2.29 | 4.52 |
| 25-30 | NDR 0.103 | 7.53 | < 0.0481 | < 0.0481 | 16.1 | < 0.0481 | 0.561 | 2.09 | NDR 0.345 | < 0.0481 | 5.4 | 2.46 | 3.03 | 1.13 | 9.16 | 1.12 | 2.02 | 4.45 |
| 40-45 | 0.094 | 9.72 | < 0.0481 | < 0.0481 | 21.2 | 0.051 | 0.486 | 2.57 | NDR 0.542 | < 0.0481 | 6.68 | 3.3 | NDR 4.07 | 1.45 | 10.7 | 1.36 | 2.71 | 5.39 |
| **Core 7** | | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.151 | 3.43 | < 0.117 | < 0.127 | 9.08 | < 0.111 | 0.345 | NDR 0.875 | NDR 0.186 | < 0.146 | 2.92 | NDR 1.25 | 1.44 | 0.846 | 5.4 | NDR 0.754 | 1.42 | 3.2 |
| 1-2 | NDR 0.089 | 2.9 | <0.0474 | <0.0474 | 7.31 | <0.0474 | NDR 0.204 | 0.857 | 0.142 | <0.0474 | 1.99 | 0.987 | 0.983 | 0.471 | 3.15 | 0.428 | 0.978 | 1.58 |
| 3-4 | NDR 0.150 | 4.12 | NDR 0.093 | < 0.100 | 10.7 | < 0.0889 | 0.28 | 1.17 | < 0.107 | < 0.115 | 6.7 | 1.79 | 2.36 | 1.04 | 7.24 | NDR 0.626 | NDR 1.33 | 3.77 |
| 3-4 (Duplicate) | < 0.126 | 3.56 | < 0.0978 | < 0.106 | 10.7 | < 0.0974 | NDR 0.325 | 1.26 | NDR 0.198 | < 0.122 | 3.05 | 1.52 | 1.44 | 0.678 | NDR 5.35 | 0.828 | 1.38 | NDR 2.58 |
| 6-7 | < 0.119 | 3.39 | < 0.0920 | < 0.100 | 8.24 | < 0.0917 | 0.293 | NDR 1.01 | NDR 0.238 | < 0.115 | 2.35 | 0.883 | 1.32 | 0.613 | 4.04 | < 0.135 | NDR 1.13 | 2.04 |
| 9-10 | < 0.0462 | 2.26 | < 0.0462 | < 0.0462 | 6.11 | < 0.0462 | NDR 0.123 | 0.66 | NDR 0.086 | < 0.0462 | 1.56 | 0.862 | 0.862 | 0.317 | 2.63 | NDR 0.316 | NDR 0.842 | 1.44 |
| 12-14 | < 0.126 | NDR 3.15 | < 0.0973 | < 0.106 | 7.37 | < 0.0960 | NDR 0.166 | 0.64 | < 0.112 | < 0.121 | 2.5 | NDR 0.987 | 1.45 | NDR 0.525 | 4.22 | NDR 0.540 | NDR 1.07 | 1.95 |
| 14-16 | 0.091 | 4.28 | <0.0501 | <0.0501 | 9.71 | 0.103 | 0.227 | 0.878 | 0.209 | <0.0501 | 3.28 | NDR 1.31 | 1.96 | NDR 0.817 | 5.47 | 0.78 | 1.41 | 2.53 |
| 18-20 | NDR 0.146 | 3.93 | < 0.0884 | < 0.0962 | 8.63 | < 0.0905 | 0.349 | NDR 1.04 | NDR 0.236 | < 0.110 | 3.84 | 1.41 | 1.84 | 0.819 | NDR 5.11 | 0.511 | NDR 1.15 | 2.56 |
| 25-30 | < 0.0942 | NDR 0.346 | < 0.0730 | < 0.0794 | NDR 0.845 | < 0.0767 | < 0.0858 | < 0.0868 | < 0.0842 | < 0.0911 | NDR 0.317 | < 0.102 | < 0.154 | < 0.113 | 0.485 | NDR 0.142 | < 0.125 | NDR 0.420 |
| 40-44 | <0.0500 | 0.145 | <0.0500 | <0.0500 | 0.199 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 0.07 | <0.0500 | 0.067 | <0.0500 | NDR 0.074 | <0.0500 | <0.0500 | <0.0500 |

| Core Number/Sample Depth (cm) | CL7-PCB-182 | CL7-PCB-183/185 | CL7-PCB-184 | CL7-PCB-186 | CL7-PCB-187 | CL7-PCB-188 | CL7-PCB-189 | CL7-PCB-190 | CL7-PCB-191 | CL7-PCB-192 | CL8-PCB-194 | CL8-PCB-195 | CL8-PCB-196 | CL8-PCB-197/200 | CL8-PCB-198/199 | CL8-PCB-201 | CL8-PCB-202 | CL8-PCB-203 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | 0.102 | 7.22 | < 0.0829 | < 0.0829 | 21.3 | < 0.0829 | 0.38 | 2.29 | NDR 0.353 | < 0.0829 | 4.37 | 2.78 | 2.36 | 1.19 | 9.02 | 1.04 | 2.62 | 4.59 |
| 9/1-2 | 0.097 | 7.51 | < 0.0843 | < 0.0843 | 29.6 | < 0.0843 | 0.528 | 2.84 | 0.299 | < 0.0843 | 4.48 | 3.21 | 2.4 | 1.46 | 11 | 1.18 | 3.52 | 5.85 |
| 10/0-1 | NDR 0.226 | 13.8 | < 0.208 | < 0.208 | 46.9 | < 0.208 | NDR 1.10 | 5.02 | 0.684 | < 0.208 | 8.62 | 5.01 | 4.26 | 2.32 | 17.4 | 2.13 | 5.08 | 9.53 |
| 11/0-1 | NDR 0.135 | 7.3 | < 0.131 | < 0.131 | 28.1 | < 0.131 | 0.379 | 2.56 | NDR 0.274 | < 0.131 | 3.99 | 2.44 | 2.06 | 1.11 | 9.92 | 1.14 | 3.34 | 5.37 |
| 12/0-1 | < 0.0945 | 6.65 | < 0.0945 | < 0.0945 | 22 | < 0.0945 | 0.4 | 2.34 | 0.272 | < 0.0945 | 3.43 | 2.35 | 1.99 | 0.991 | 7.83 | 0.934 | 2.67 | 4.41 |
| 13/0-1 | < 0.0723 | 4.17 | < 0.0723 | < 0.0723 | 13.9 | < 0.0723 | 0.231 | 1.45 | 0.156 | < 0.0723 | 2.43 | 1.58 | 1.41 | 0.641 | 5.65 | 0.627 | 1.63 | 3.07 |
| 14/0-1 | NDR 0.136 | 10.2 | 0.067 | < 0.0616 | 32.6 | 0.095 | 0.611 | 3.97 | 0.546 | < 0.0704 | 6.73 | 4.42 | 3.51 | 2.01 | 14.2 | 1.68 | 3.94 | 7.38 |
| 15/0-1 | < 0.0505 | 2.09 | < 0.0505 | < 0.0505 | 5.04 | < 0.0505 | NDR 0.140 | 0.588 | NDR 0.115 | < 0.0505 | 1.41 | 0.65 | 0.663 | 0.347 | 2.17 | 0.261 | 0.601 | 1.17 |
| 16/0-1 | 0.131 | 5.34 | < 0.0501 | < 0.0501 | 13.9 | < 0.0501 | 0.312 | 1.45 | 0.285 | < 0.0501 | 3.53 | 1.71 | 1.73 | 0.769 | 5.31 | 0.682 | 1.52 | 2.77 |
| 17/0-1 | < 0.130 | 9.55 | < 0.130 | < 0.130 | 31.8 | < 0.130 | 0.498 | 3.16 | NDR 0.483 | < 0.130 | 6.27 | 3.53 | 3.18 | NDR 1.57 | 12.2 | 1.4 | 3.85 | 6.92 |
| 18/0-1 | 0.05 | 2.28 | < 0.0452 | < 0.0452 | 6.16 | < 0.0452 | 0.153 | 0.552 | NDR 0.153 | < 0.0452 | 1.95 | 0.753 | 0.922 | 0.355 | 2.59 | 0.336 | 0.752 | 1.3 |
| 19/0-1 | < 0.0473 | 3.91 | < 0.0473 | < 0.0473 | 11.4 | < 0.0473 | 0.233 | 1.15 | NDR 0.186 | < 0.0473 | 2.87 | 1.37 | 1.35 | 0.573 | 4.61 | 0.521 | 1.48 | 2.47 |
| 20/0-1 | NDR 0.155 | 12.2 | < 0.0611 | < 0.0611 | 38.5 | 0.093 | 0.61 | 3.66 | 0.508 | < 0.0611 | 7.95 | 4.45 | 4.23 | 1.98 | 14.7 | 2.05 | 4.51 | 8.06 |
| 21/0-1 | NDR 0.365 | 28 | < 0.267 | < 0.267 | 110 | < 0.267 | NDR 1.44 | 9.06 | 1.15 | < 0.267 | 19.5 | 11.1 | 8.83 | 5.12 | 39.5 | 4.36 | 13.2 | 19.6 |
| 22/0-1 | < 0.130 | 5 | < 0.130 | < 0.130 | 17.8 | < 0.130 | < 0.240 | 1.44 | 0.203 | < 0.130 | 3.26 | 2 | 1.82 | 0.952 | 7.53 | 0.857 | 2.18 | 3.67 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | | |
| A1 TOP | 0.177 | 8.44 | 0.219 | < 0.0491 | 18.6 | NDR 0.072 | 0.542 | 2.35 | 0.476 | < 0.0491 | 6.79 | 2.52 | 3.85 | 1.43 | 9.81 | 1.19 | 2.09 | 5.67 |
| A1 BOT | 0.125 | 8.48 | 0.184 | < 0.0486 | 18.3 | < 0.0486 | 0.5 | 2.45 | NDR 0.501 | < 0.0486 | 6.7 | 2.7 | 4.11 | 1.42 | 10.1 | 1.29 | 2.06 | 5.75 |
| B1 TOP | 0.069 | 3.79 | < 0.0489 | < 0.0489 | 9.1 | < 0.0459 | 0.244 | 1.09 | 0.241 | < 0.0489 | 3.37 | 1.26 | 1.89 | NDR 0.622 | 4.88 | 0.583 | 1.01 | 2.61 |
| B1 BOT | 0.06 | 4.79 | < 0.0492 | < 0.0492 | 10.9 | < 0.0492 | NDR 0.316 | 1.55 | 0.239 | < 0.0492 | 4.59 | 1.84 | 2.68 | 0.76 | 6.22 | 0.682 | 1.14 | 3.5 |

Table 7: Continued.

| Sample Depth (cm) | CL8-PCB-204 | CL8-PCB-205 | CL8-PCB-206 | CL9-PCB-207 | CL9-PCB-208 | CL10-PCB-209 | % Moisture | Total Monochloro Biphenyl | Total Dichloro Biphenyl | Total Trichloro Biphenyl | Total Tetrachloro Biphenyl | Total Pentachloro Biphenyl | Total Hexachloro Biphenyl | Total Heptachloro Biphenyl | Total Octachloro Biphenyl | Total Nonachloro Biphenyl | Decachloro Biphenyl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0468 | 0.726 | 11.1 | 1.48 | 4.18 | 9.39 | 77.1 | NQ | 22.8 | 24.2 | 550 | 832 | 672 | 178 | 55.1 | 16.8 | 9.39 |
| 1-2 | < 0.0725 | 0.411 | 6.84 | 1.14 | 2.47 | 6.78 | 82 | 10.5 | 49.2 | 189 | 481 | 670 | 498 | 134 | 36.9 | 10.5 | 6.78 |
| 3-4 | NDR 0.059 | 0.949 | 15.4 | 1.77 | 5.56 | 13.5 | 75.1 | 14.6 | 83.4 | 274 | 769 | 1030 | 841 | 248 | 73 | 22.7 | 13.5 |
| 6-7 | < 0.0482 | 0.722 | 13 | 1.72 | 4.58 | 12.1 | 75.7 | NQ | 29.5 | 254 | 747 | 958 | 763 | 203 | 62.2 | 19.3 | 12.1 |
| 9-10 | NDR 0.050 | 0.775 | 13.7 | 1.74 | 4.76 | 12.4 | 75.5 | 15.9 | 94.8 | 325 | 880 | 1060 | 790 | 206 | 62.8 | 20.2 | 12.4 |
| 12-14 | NDR 0.056 | 0.837 | 35.5 | 3.86 | 12.7 | 26.5 | 73.1 | 15.2 | 107 | 382 | 1100 | 1260 | 861 | 226 | 82.9 | 52.1 | 26.5 |
| 14-16 | < 0.0576 | 0.535 | 10.3 | 1.77 | 3.76 | 9.74 | 74.2 | 10.6 | 61.8 | 231 | 661 | 831 | 495 | 149 | 48 | 15.8 | 9.74 |
| 18-20 | < 0.0469 | 0.322 | 9.02 | 1.35 | 3.51 | 7.91 | 73.1 | 2.47 | 22 | 68.8 | 219 | 269 | 192 | 70.4 | 32 | 13.9 | 7.91 |
| 25-30 | < 0.0461 | < 0.0461 | < 0.651 | < 0.467 | < 0.523 | 1.03 | 71.6 | 4.57 | 3.23 | 6.05 | 15.8 | 21.5 | 14.6 | 2.65 | 1.31 | < | 1.03 |
| 50-55 | < 0.0449 | < 0.0449 | 0.177 | < 0.0753 | 0.12 | NDR 0.206 | 67.3 | 1.88 | 2 | 6.2 | 13.4 | 14.3 | 8.76 | 2.13 | 0.484 | 0.297 | < 0.0449 |
| **Core 2** | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0471 | 1.56 | 14.1 | 1.89 | 4.38 | 8.38 | 63.6 | 8.52 | 56.1 | 209 | 436 | 788 | 865 | 412 | 110 | 20.4 | 8.38 |
| 1-2 | < 0.0474 | 2.72 | 26.3 | 3.4 | 8.86 | 38.9 | 58.2 | 19.5 | 110 | 352 | 726 | 1600 | 2010 | 915 | 228 | 38.6 | 38.9 |
| 3-4 | < 0.0478 | 3.16 | 26.4 | 3.41 | 7.8 | 20 | 54.6 | 10.7 | 105 | 351 | 776 | 2020 | 2010 | 939 | 238 | 37.6 | 20 |
| 6-7 | NDR 0.061 | 2.59 | 27.1 | 3.57 | 8.71 | 21.4 | 53.6 | | 47 | 409 | 826 | 1560 | 1680 | 752 | 206 | 39.4 | 21.4 |
| 9-10 | < 0.0491 | 4.22 | 39.5 | 4.88 | 11.8 | 25.1 | 52.7 | 29.7 | 184 | 563 | 1130 | 2930 | 2890 | 1320 | 333 | 56.2 | 25.1 |
| 12-14 | NDR 0.056 | 3.03 | 31.3 | 4.08 | 9.72 | 25.5 | 47.2 | 28 | 174 | 543 | 865 | 1840 | 1910 | 919 | 244 | 45.1 | 25.5 |
| 14-16 | NDR 0.079 | 6.26 | 54.4 | 7.58 | 19.5 | 50.3 | 47.8 | 52 | 259 | 830 | 1940 | 4360 | 4760 | 2000 | 523 | 81.5 | 50.3 |
| 14-16 (Duplicate) | NDR 0.083 | 6.67 | 58.4 | 8.45 | 21.3 | 50 | 48.6 | 52.6 | 284 | 940 | 1870 | 3710 | 4640 | 2160 | 563 | 5.03 | 3.88 |
| 18-20 | NDR 0.056 | 5.86 | 80.1 | 9.57 | 27.5 | 82.2 | 48.1 | 28.5 | 323 | 923 | 2200 | 3690 | 4220 | 1930 | 480 | 117 | 82.2 |
| 25-30 | < 0.0486 | NDR 0.373 | 31.9 | 3.1 | 12.1 | 44.4 | 49.8 | 7.38 | 9.97 | 23.1 | 36.2 | 72.4 | 76.1 | 73.9 | 48.3 | 47.1 | 44.4 |
| 35-40 | < 0.0472 | < 0.0472 | NDR 0.226 | < 0.0673 | NDR 0.095 | 0.328 | 49.7 | 1.42 | 1.23 | 3.05 | 4.34 | 6.02 | 4.07 | 2.26 | 0.61 | < 0.0866 | 0.328 |
| **Core 3** | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0477 | 0.397 | 5.23 | 0.719 | 1.76 | 3.5 | 42.4 | 7.62 | 50.5 | 136 | 253 | 323 | 271 | 123 | 36.1 | 7.71 | 3.5 |
| 1-2 | < 0.0469 | 0.48 | 5.08 | 0.827 | 1.74 | 3.96 | 46.9 | 6.07 | 48.5 | 134 | 245 | 427 | 382 | 148 | 42.3 | 7.65 | 3.96 |
| 3-4 | < 0.0472 | 1.01 | 6.96 | 0.762 | 2.07 | 4.2 | 42.4 | 8.28 | 55 | 154 | 268 | 333 | 372 | 252 | 71 | 9.79 | 4.2 |
| 3-4 (Duplicate) | < 0.0469 | 0.614 | 5.94 | 0.715 | 1.94 | 4.23 | | 8.69 | 53.8 | 144 | 261 | 341 | 302 | 158 | 49.2 | | |
| 6-7 | < 0.0473 | 0.418 | 5.38 | 0.545 | 1.7 | 4.21 | 41.4 | 8.54 | 51.3 | 141 | 274 | 365 | 309 | 136 | 38.2 | 7.63 | 4.21 |
| 9-10 | < 0.0466 | 0.431 | 5.33 | 0.726 | 1.85 | 3.94 | 32.8 | 9.61 | 62.1 | 159 | 283 | 373 | 307 | 129 | 38.9 | 7.91 | 3.94 |
| 12-14 | < 0.0474 | 0.518 | 6.41 | 0.923 | 2.23 | 4.36 | 35.5 | 14 | 86.1 | 232 | 428 | 537 | 401 | 153 | 45 | 9.56 | 4.36 |
| 14-16 | < 0.0475 | 0.763 | 7.79 | 1.01 | 2.81 | 5.71 | 38 | 13.7 | 93.1 | 327 | 552 | 565 | 485 | 196 | 61.3 | 11.6 | 5.71 |
| 18-20 | < 0.0473 | 0.977 | 10.1 | 1.44 | 3.46 | 6.27 | 41.1 | 20.6 | 232 | 803 | 981 | 763 | 579 | 242 | 72.3 | 15 | 6.27 |
| 25-30 | < 0.0550 | 1.65 | 45.5 | 5.52 | 17.5 | 24.7 | 42 | 27.1 | 181 | 656 | 1240 | 1160 | 813 | 368 | 137 | 68.5 | 24.7 |
| 40-45 | < 0.0470 | 2.19 | 20.8 | 2.78 | 6.52 | 9.21 | 37.7 | 36.9 | 195 | 1120 | 2870 | 2910 | 1880 | 585 | 182 | 30.1 | 9.21 |
| **Core 4** | | | | | | | | | | | | | | | | | |
| 1-2 | <0.0520 | 0.148 | 1.67 | NDR 0.305 | 0.726 | 1.48 | 45.2 | 1.76 | 16.9 | 64.7 | 127 | 121 | 94.3 | 42.5 | 12 | 2.39 | 1.48 |
| 14-16 | <0.0494 | NDR 0.187 | 2.5 | 0.398 | 0.884 | NDR 1.97 | 36.5 | 4.31 | 28.1 | 67.3 | 130 | 128 | 116 | 43.3 | 16.9 | 3.58 | <0.0494 |
| 14-16 (Duplicate) | <0.0478 | NDR 0.142 | 1.81 | 0.273 | 0.694 | 1.56 | 35 | 3.91 | 35.3 | 109 | 155 | 131 | 105 | 39 | 10.3 | 6.6 | 4.23 |
| 30-35 | <0.0500 | 0.246 | 2.95 | 0.492 | 1.1 | 2.64 | 35.3 | 6.55 | 44.5 | 116 | 241 | 285 | 221 | 75.7 | 20.8 | 4.54 | 2.64 |
| **Core 5** | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0680 | NDR 0.411 | 5.04 | 0.526 | 1.72 | 4.96 | 63.6 | 9.74 | 65.5 | 160 | 275 | 293 | 201 | 79.7 | 27.5 | 7.39 | 4.96 |
| 1-2 | <0.0521 | 0.376 | 3.96 | 0.605 | 1.47 | 4.15 | 69.6 | 8.55 | 48.7 | 126 | 208 | 205 | 239 | 98.2 | 24 | 6.03 | 4.15 |
| 3-4 | < 0.0488 | 0.566 | 8.38 | NDR 1.38 | 2.84 | 7.27 | 61.8 | 12.4 | 103 | 281 | 476 | 406 | 320 | 133 | 43.8 | 11.2 | 7.27 |
| 6-7 | < 0.0551 | 0.334 | 4.19 | 0.56 | 1.45 | 5.15 | 59.9 | 8.88 | 54.3 | 119 | 225 | 244 | 174 | 69.4 | 22.9 | 6.2 | 5.15 |
| 9-10 | < 0.0480 | 0.342 | 4.62 | 0.64 | 1.77 | 5.36 | 56.1 | 9.28 | 63 | 141 | 263 | 297 | 216 | 81.3 | 26.8 | 7.03 | 5.36 |
| 12-14 | < 0.0517 | NDR 0.469 | 7.9 | 0.874 | 2.65 | 5.96 | 56.9 | 11.1 | 81 | 236 | 353 | 352 | 295 | 113 | 40.7 | 11.4 | 5.96 |
| 14-16 | NDR 0.047 | NDR 0.559 | 8.59 | 1.2 | 3.11 | 9.21 | 57.8 | 13.7 | 108 | 292 | 503 | 521 | 449 | 157 | 50.5 | 13 | 9.21 |
| 18-20 | < 0.0583 | 0.526 | 5.73 | 0.711 | 2.06 | 5.54 | 57.2 | 11.4 | 85.8 | 205 | 359 | 348 | 268 | 114 | 32.6 | 8.5 | 5.54 |
| 25-30 | < 0.0685 | 0.744 | 8.03 | 1.11 | 3.02 | 7.83 | 56 | 17.5 | 122 | 317 | 566 | 533 | 396 | 167 | 53.4 | 12.2 | 7.83 |
| 45-50 | <0.0529 | 0.966 | 13.6 | 2.26 | 4.59 | 12.2 | 57 | 29.7 | 155 | 646 | 1340 | 1090 | 777 | 251 | 86 | 20.5 | 12.2 |

Table 7: Continued.

| Sample Depth (cm) | CL8-PCB-204 | CL8-PCB-205 | CL9-PCB-206 | CL9-PCB-207 | CL9-PCB-208 | CL10-PCB-209 | % Moisture | Total Monochloro Biphenyl | Total Dichloro Biphenyl | Total Trichloro Biphenyl | Total Tetrachloro Biphenyl | Total Pentachloro Biphenyl | Total Hexachloro Biphenyl | Total Heptachloro Biphenyl | Total Octachloro Biphenyl | Total Nonachloro Biphenyl | Decachloro Biphenyl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 6** | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.0579 | NDR 0.213 | 2.78 | 0.348 | 1.11 | 3.18 | 52.8 | 10.4 | 49.3 | 101 | 164 | 159 | 114 | 49 | 12.4 | 4.24 | 3.18 |
| 1-2 | < 0.0471 | 0.18 | 2.73 | 0.419 | NDR 1.01 | 2.81 | 55.5 | 6.62 | 39.9 | 86.2 | 150 | 150 | 111 | 48.6 | 14 | 3.15 | 2.81 |
| 3-4 | < 0.0663 | 0.206 | 3.34 | 0.443 | 1.26 | 3.15 | 50.5 | 7.02 | 45.8 | 107 | 177 | 166 | 116 | 46.8 | 15.4 | 5.04 | 3.15 |
| 6-7 | < 0.0683 | 0.268 | 3.33 | 0.462 | 1.12 | 3.58 | 48.4 | 7.51 | 50.2 | 120 | 210 | 193 | 141 | 56 | 19.1 | 4.91 | 3.58 |
| 9-10 | < 0.0488 | 0.359 | 5.36 | 0.934 | 2.36 | 22.6 | 46.2 | 7.98 | 55.5 | 139 | 235 | 250 | 173 | 72.5 | 24.5 | 8.65 | 22.6 |
| 9-10 (Duplicate) | < 0.0491 | 0.285 | 3.59 | NDR 0.617 | 1.44 | 3.88 | 46.4 | 8.94 | 58.9 | 141 | 245 | 253 | 182 | 71.7 | 23 | 2.78 | 1.56 |
| 12-14 | < 0.0495 | NDR 0.255 | 4.16 | NDR 0.620 | 1.6 | 4.14 | 43 | 8.43 | 65.4 | 156 | 257 | 252 | 179 | 73.4 | 23.9 | 5.76 | 4.14 |
| 14-16 | < 0.0571 | 0.519 | 6.06 | NDR 0.951 | 1.99 | 4.82 | 42.2 | 9.03 | 61.1 | 147 | 249 | 249 | 219 | 145 | 54 | 8.05 | 4.82 |
| 18-20 | < 0.0800 | NDR 0.390 | 5.08 | NDR 0.691 | 2.12 | 5.61 | 42.9 | 9.94 | 72.2 | 167 | 291 | 284 | 201 | 84.3 | 27 | 7.2 | 5.61 |
| 25-30 | < 0.0509 | NDR 0.474 | 4.7 | 0.696 | 1.79 | 4.56 | 40.1 | 12.4 | 88.6 | 222 | 334 | 270 | 226 | 83.5 | 28.8 | 7.19 | 4.56 |
| 40-45 | < 0.0556 | 0.49 | 5.8 | 0.824 | 2.15 | 5.62 | 41.9 | 13.8 | 107 | 268 | 421 | 324 | 275 | 110 | 32.1 | 8.77 | 5.62 |
| **Core 7** | | | | | | | | | | | | | | | | | |
| 0-1 | < 0.153 | NDR 0.407 | 4.08 | 0.423 | 1.36 | 2.38 | 50.6 | 5.8 | 31.5 | 74.5 | 125 | 114 | 93.9 | 37.9 | 15.2 | 5.86 | 2.38 |
| 1-2 | <0.0474 | 0.166 | 2.38 | 0.273 | 0.747 | 2.61 | 47.3 | 3.97 | 26.6 | 75.2 | 124 | 138 | 112 | 37.2 | 10.7 | 3.4 | 2.61 |
| 3-4 | < 0.142 | NDR 0.381 | 3.92 | 0.385 | 0.979 | 2.13 | 39.8 | 5.35 | 19.1 | 78.5 | 138 | 120 | 93.7 | 52.7 | 22.9 | 5.28 | 2.13 |
| 3-4 (Duplicate) | < 0.127 | NDR 0.223 | 3.11 | NDR 0.381 | 1.13 | 3.23 | 39.8 | 6.97 | 24.5 | 101 | 175 | 181 | 134 | 47.6 | 8.9 | 88.1 | 50 |
| 6-7 | < 0.135 | NDR 0.237 | 2.37 | NDR 0.269 | NDR 0.871 | 2.16 | 38.3 | 2.99 | 17.7 | 79.2 | 138 | 178 | 145 | 41 | 11.2 | 2.37 | 2.16 |
| 9-10 | < 0.0462 | NDR 0.117 | 1.72 | 0.296 | 0.708 | 2.01 | 30.8 | 3.17 | 21.8 | 53.6 | 96.3 | 95.1 | 73.9 | 27.8 | 7.67 | 2.72 | 2.01 |
| 12-14 | < 0.138 | < 0.151 | 3.73 | NDR 0.458 | 1.51 | 4.18 | 33.5 | 5.3 | 10.1 | 78.5 | 163 | 127 | 82.1 | 27 | 10.1 | 5.24 | 4.18 |
| 14-16 | <0.0501 | 0.228 | 4.37 | 0.634 | 1.77 | 5.46 | 38.2 | 1.31 | 13.2 | 78.4 | 156 | 151 | 113 | 47.3 | 15.7 | 6.78 | 5.46 |
| 18-20 | < 0.145 | < 0.132 | 3.72 | NDR 0.469 | 1.46 | 3.29 | 37.2 | 2.96 | 27.7 | 172 | 270 | 183 | 101 | 38.3 | 11 | 5.18 | 3.29 |
| 25-30 | < 0.111 | < 0.0931 | NDR 0.264 | < 0.100 | < 0.104 | NDR 0.395 | 42.1 | < | < | 6.63 | 13 | 9.32 | 3.54 | 1.35 | 0.485 | < | < |
| 40-44 | <0.0500 | <0.0500 | <0.151 | <0.118 | <0.128 | NDR 0.093 | 43.1 | 1.06 | 0.787 | 2.89 | 6.74 | 5.13 | 1.91 | 0.791 | 0.137 | <0.151 | <0.0500 |

| Core Number/Sample Depth (cm) | CL8-PCB-204 | CL8-PCB-205 | CL9-PCB-206 | CL9-PCB-207 | CL9-PCB-208 | CL10-PCB-209 | % Moisture | Total Monochloro Biphenyl | Total Dichloro Biphenyl | Total Trichloro Biphenyl | Total Tetrachloro Biphenyl | Total Pentachloro Biphenyl | Total Hexachloro Biphenyl | Total Heptachloro Biphenyl | Total Octachloro Biphenyl | Total Nonachloro Biphenyl | Decachloro Biphenyl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1-2 | < 0.0629 | 0.33 | 5.27 | NDR 0.708 | 2.04 | 10.8 | 16.5 | 15.5 | 78.9 | 179 | 290 | 401 | 299 | 97.8 | 26.3 | 7.31 | 10.8 |
| 9/1-2 | < 0.0843 | 0.445 | 7.33 | 0.847 | 2.69 | 10.7 | 74.3 | NQ | 109 | 226 | 382 | 394 | 312 | 111 | 33.5 | 10.9 | 10.7 |
| 10/0-1 | < 0.208 | 0.658 | 10 | 1.5 | 3.47 | 14.5 | 85.4 | 19 | 104 | 248 | 529 | 725 | 625 | 199 | 55 | 15 | 14.5 |
| 11/0-1 | < 0.131 | 0.456 | 6.06 | NDR 1.41 | 2.35 | 13.1 | 84.5 | 15.7 | 71.9 | 181 | 346 | 414 | 316 | 105 | 29.8 | 8.41 | 13.1 |
| 12/0-1 | < 0.0945 | NDR 0.368 | 5.91 | NDR 1.71 | 2.32 | 10.1 | 81.8 | 21.7 | 63.3 | 165 | 303 | 395 | 305 | 89.3 | 24.6 | 8.23 | 10.1 |
| 13/0-1 | < 0.0723 | 0.233 | 3.21 | NDR 0.769 | 1.27 | 8.34 | 78.9 | 15.5 | 55.7 | 105 | 182 | 209 | 158 | 57.2 | 17.3 | 4.48 | 8.34 |
| 14/0-1 | < 0.0535 | 0.652 | 8.22 | 0.99 | 3.04 | 8.99 | 73.9 | 17.8 | 77.1 | 226 | 368 | 465 | 369 | 152 | 44.5 | 12.3 | 8.99 |
| 15/0-1 | < 0.0505 | NDR 0.110 | 1.54 | NDR 0.221 | 0.499 | 2.64 | 66.9 | 5.61 | 28 | 48.3 | 69.9 | 77.3 | 62.4 | 24.6 | 7.27 | 2.04 | 2.64 |
| 16/0-1 | < 0.0501 | NDR 0.236 | 3.33 | NDR 0.434 | 1.09 | 3.2 | 50.2 | 4.54 | 56.1 | 160 | 218 | 259 | 185 | 86.9 | 18 | 4.42 | 3.2 |
| 17/0-1 | < 0.130 | NDR 0.524 | 7.73 | NDR 0.891 | NDR 3.62 | 12.6 | 75.5 | 9.53 | 112 | 252 | 405 | 444 | 352 | 130 | 37.4 | 7.73 | 12.6 |
| 18/0-1 | < 0.0452 | NDR 0.109 | 1.84 | 0.193 | 0.657 | 1.75 | 32.5 | 0.93 | 24.1 | 57.7 | 87.2 | 88.9 | 67.2 | 27 | 9.06 | 2.49 | 1.75 |
| 19/0-1 | < 0.0473 | 0.202 | 2.83 | 0.371 | 1 | 2.82 | 51 | 4.8 | 46.5 | 108 | 156 | 150 | 132 | 49.1 | 15.4 | 4.2 | 2.82 |
| 20/0-1 | < 0.0611 | 0.624 | 8.33 | 1.07 | 2.81 | 8.09 | 68.1 | 16 | 101 | 281 | 492 | 524 | 421 | 157 | 48.6 | 12.2 | 8.09 |
| 21/0-1 | < 0.267 | 1.36 | 21 | 2.9 | 7.29 | 19 | 73.1 | 9.53 | 147 | 468 | 955 | 1540 | 1290 | 414 | 123 | 31.2 | 19 |
| 22/0-1 | < 0.130 | 0.333 | 4.66 | 0.547 | 1.7 | 5.29 | 84.4 | < | 50.8 | 111 | 211 | 248 | 202 | 67.8 | 22.6 | 6.91 | 5.29 |
| **Sediment Traps** | | | | | | | | | | | | | | | | | |
| A1 TOP | < 0.0491 | 0.359 | 4.4 | 0.595 | 1.53 | 3.9 | 71.7 | 3.23 | 48.5 | 117 | 207 | 268 | 250 | 102 | 33.7 | 6.53 | 3.9 |
| A1 BOT | < 0.0486 | 0.389 | 4.48 | 0.599 | 1.51 | 3.28 | 68 | 6.81 | 63.4 | 157 | 221 | 266 | 245 | 105 | 34.5 | 6.59 | 3.28 |
| B1 TOP | < 0.0489 | 0.192 | 2.53 | NDR 0.312 | 0.891 | 1.99 | 75.4 | 4.68 | 57.5 | 159 | 180 | 136 | 116 | 48.2 | 15.8 | 3.42 | 1.99 |
| B1 BOT | < 0.0492 | NDR 0.292 | 3.12 | 0.4 | 0.965 | 2.14 | 68.3 | 1.87 | 38.8 | 86.8 | 129 | 153 | 132 | 59.8 | 21.4 | 4.49 | 2.14 |

Table 7: Continued.

| Sample Depth (cm) | TOTAL PCBs | TEQ (WHO 1998) ND=0 | TEQ (WHO 1998) ND=1/2DL |
|---|---|---|---|
| **Core 1** | | | |
| 0-1 | 2360 | 0.119 | 0.12 |
| 1-2 | 2090 | 0.0827 | 0.0839 |
| 3-4 | 3370 | 0.158 | 0.159 |
| 6-7 | 3050 | 0.143 | 0.144 |
| 9-10 | 3470 | 0.152 | 0.153 |
| 12-14 | 4110 | 0.186 | 0.187 |
| 14-16 | 2510 | 0.116 | 0.118 |
| 18-20 | 898 | 0.0634 | 0.0642 |
| 25-30 | 70.6 | 0.000781 | 0.00586 |
| 50-55 | 49.5 | 0.000408 | 0.00707 |
| **Core 2** | | | |
| 0-1 | 2910 | 0.0293 | 0.0395 |
| 1-2 | 6030 | 0.162 | 0.167 |
| 3-4 | 6510 | 0.0749 | 0.18 |
| 6-7 | 5550 | 0.149 | 0.151 |
| 9-10 | 9450 | 0.269 | 0.271 |
| 12-14 | 6590 | 0.176 | 0.177 |
| 14-16 | 14800 | 0.339 | 0.348 |
| 14-16 (Duplicate) | 14400 | 0.337 | 0.346 |
| 18-20 | 14000 | 0.31 | 0.313 |
| 25-30 | 439 | 0.00264 | 0.00746 |
| 35-40 | 23.3 | 0.000179 | 0.00611 |
| **Core 3** | | | |
| 0-1 | 1210 | 0.0444 | 0.0448 |
| 1-2 | 1440 | 0.0618 | 0.0626 |
| 3-4 | 1530 | 0.0512 | 0.0521 |
| 3-4 (Duplicate) | 1330 | 0.0396 | 0.04 |
| 6-7 | 1340 | 0.0413 | 0.0417 |
| 9-10 | 1370 | 0.0487 | 0.0491 |
| 12-14 | 1910 | 0.0658 | 0.0663 |
| 14-16 | 2310 | 0.0784 | 0.0793 |
| 18-20 | 3720 | 0.0901 | 0.0908 |
| 25-30 | 4680 | 0.127 | 0.129 |
| 40-45 | 9820 | 0.217 | 0.22 |
| **Core 4** | | | |
| 1-2 | 484 | 0.00425 | 0.0175 |
| 14-16 | 537 | 0.0157 | 0.0161 |
| 14-16 (Duplicate) | 592 | 0.0162 | 0.00473 |
| 30-35 | 1020 | 0.0103 | 0.023 |
| **Core 5** | | | |
| 0-1 | 1120 | 0.0112 | 0.0177 |
| 1-2 | 969 | 0.00874 | 0.0167 |
| 3-4 | 1800 | 0.0727 | 0.0754 |
| 6-7 | 928 | 0.00998 | 0.0199 |
| 9-10 | 1110 | 0.0411 | 0.0417 |
| 12-14 | 1500 | 0.0475 | 0.0482 |
| 14-16 | 2120 | 0.0813 | 0.0813 |
| 18-20 | 1440 | 0.0704 | 0.0712 |
| 25-30 | 2190 | 0.0784 | 0.0792 |
| 45-50 | 4410 | 0.117 | 0.118 |

Table 7: Continued.

| Sample Depth (cm) | TOTAL PCBs (ug/g) | TEQ (WHO 1998) ND=0 | TEQ (WHO 1998) ND=1/2DL |
|---|---|---|---|
| **Core 6** | | | |
| 0-1 | 668 | 0.00691 | 0.0147 |
| 1-2 | 613 | 0.0066 | 0.0138 |
| 3-4 | 690 | 0.00715 | 0.0169 |
| 6-7 | 805 | 0.0361 | 0.0365 |
| 9-10 | 986 | 0.0103 | 0.0173 |
| 9-10 (Duplicate) | 994 | 0.0478 | 0.0482 |
| 12-14 | 1030 | 0.0108 | 0.0175 |
| 14-16 | 1150 | 0.0114 | 0.0209 |
| 18-20 | 1150 | 0.0123 | 0.0261 |
| 25-30 | 1280 | 0.0587 | 0.0591 |
| 40-45 | 1570 | 0.0154 | 0.0292 |
| **Core 7** | | | |
| 0-1 | 507 | 0.00529 | 0.0232 |
| 1-2 | 533 | 0.00516 | 0.00942 |
| 3-4 | 537 | 0.00431 | 0.0239 |
| 3-4 (Duplicate) | 686 | 0.00868 | 0.0434 |
| 6-7 | 618 | 0.00852 | 0.0324 |
| 9-10 | 384 | 0.00403 | 0.00914 |
| 12-14 | 513 | 0.00505 | 0.0261 |
| 14-16 | 588 | 0.00491 | 0.0125 |
| 18-20 | 814 | 0.00782 | 0.034 |
| 25-30 | 34.4 | 0.000287 | 0.0108 |
| 40-44 | 19.4 | 0.000155 | 0.00299 |

| Core Number/Sample Depth (cm) | TOTAL PCBs | TEQ (WHO 2005) ND=0 | TEQ (WHO 2005) ND=1/2DL |
|---|---|---|---|
| 8/1-2 | 1410 | 0.0421 | 0.0447 |
| 9/1-2 | 1590 | 0.0503 | 0.0529 |
| 10/0-1 | 2530 | 0.0704 | 0.0754 |
| 11/0-1 | 1500 | 0.0603 | 0.0628 |
| 12/0-1 | 1390 | 0.0393 | 0.041 |
| 13/0-1 | 810 | 0.0233 | 0.0247 |
| 14/0-1 | 1760 | 0.0568 | 0.0592 |
| 15/0-1 | 328 | 0.0109 | 0.012 |
| 16/0-1 | 973 | 0.00248 | 0.0139 |
| 17/0-1 | 1760 | 0.00446 | 0.0324 |
| 18/0-1 | 366 | 0.000929 | 0.00634 |
| 19/0-1 | 679 | 0.00179 | 0.0113 |
| 20/0-1 | 2060 | 0.00539 | 0.0244 |
| 21/0-1 | 5000 | 0.13 | 0.135 |
| 22/0-1 | 925 | 0.00246 | 0.0195 |
| **Sediment Traps** | | | |
| A1 TOP | 1040 | 0.0379 | 0.0388 |
| A1 BOT | 1110 | 0.0104 | 0.0171 |
| B1 TOP | 723 | 0.0208 | 0.0212 |
| B1 BOT | 630 | 0.00611 | 0.0151 |

Table 8: Results of the PBDE analysis. All congeners are reported in pg/g. < = less than detection limit; K = peak detected but did not meet quantification criteria, number following this flag represents an unconfirmed concentration; NDR = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration. Blank cells indicate congener not quantifiable due to <10% recovery of labeled standards.

| Sample Depth (cm) | Br2-DPE-7 | Br2-DPE-8/11 | Br2-DPE-10 | Br2-DPE-12/13 | Br2-DPE-15 | Br3-DPE-17/25 | Br3-DPE-28/33 | Br3-DPE-30 | Br3-DPE-32 | Br3-DPE-35 | Br3-DPE-37 | Br4-DPE-47 | Br4-DPE-49 | Br4-DPE-51 | Br4-DPE-66 | Br4-DPE-71 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | |
| 0-1 | 0.933 | 1.04 | < 0.108 | NDR 0.170 | 1.26 | 4.35 | 2.72 | < 0.191 | < 0.153 | < 0.134 | NDR 0.142 | 32.8 | 4.83 | NDR 1.05 | NDR 0.763 | 0.54 |
| 1-2 | | | | | | 7.92 | 3.62 | < 0.315 | < 0.249 | < 0.190 | K 0.205 | 51.7 | 11.7 | 2.45 | 1.67 | K 0.608 |
| 3-4 | 0.863 | 1.11 | < 0.097 | NDR 0.186 | 1.31 | 4.98 | 2.6 | < 0.215 | < 0.172 | < 0.151 | < 0.141 | 24.4 | 6.15 | 1.45 | 1.55 | NDR 0.512 |
| 6-7 | 0.861 | 1.01 | < 0.187 | NDR 0.204 | NDR 0.999 | 3.88 | NDR 1.73 | < 0.310 | < 0.248 | < 0.217 | < 0.203 | 18.3 | NDR 3.81 | 1.18 | NDR 0.992 | NDR 0.545 |
| 9-10 | 0.275 | NDR 0.375 | < 0.136 | NDR 0.121 | NDR 0.364 | NDR 1.59 | NDR 0.803 | < 0.143 | < 0.115 | < 0.101 | < 0.094 | 8.87 | NDR 1.24 | NDR 0.605 | NDR 0.392 | 0.23 |
| 12-14 | < 0.120 | < 0.101 | < 0.141 | NDR 0.117 | NDR 0.112 | NDR 0.362 | NDR 0.220 | < 0.155 | < 0.124 | < 0.108 | < 0.101 | 4.32 | < 0.436 | < 0.316 | < 0.541 | < 0.464 |
| 14-16 | | | | | | K 0.353 | K 0.221 | < 0.281 | < 0.223 | < 0.169 | < 0.158 | 7.77 | K 0.415 | < 0.244 | < 0.393 | < 0.326 |
| 18-20 | < 0.111 | < 0.111 | < 0.111 | < 0.111 | NDR 0.118 | NDR 0.364 | 0.149 | < 0.127 | < 0.111 | < 0.111 | < 0.111 | 6.61 | 0.285 | < 0.113 | 0.244 | < 0.166 |
| 25-30 | < 0.094 | 0.102 | < 0.113 | < 0.094 | 0.115 | < 0.199 | NDR 0.351 | < 0.216 | < 0.169 | < 0.136 | < 0.130 | 6.19 | NDR 0.365 | < 0.222 | NDR 0.400 | < 0.324 |
| 50-55 | | | | | | < 0.396 | 0.533 | < 0.442 | < 0.350 | < 0.266 | < 0.249 | 9.32 | < 0.843 | < 0.560 | < 0.905 | < 0.749 |
| **Core 2** | | | | | | | | | | | | | | | | |
| 0-1 | | | | | | NDR 14.4 | 4.88 | < 0.110 | NDR 0.179 | NDR 0.163 | NDR 0.212 | 126 | 37.4 | 5.7 | 4.65 | 2.48 |
| 1-2 | | | | | | 33.9 | 10.9 | < 0.211 | 0.415 | < 0.135 | 0.307 | 235 | 70.9 | 10.3 | 8.53 | 4.73 |
| 3-4 | | | | | | NDR 29.2 | 7.61 | < 0.766 | < 0.592 | < 0.468 | < 0.435 | 129 | 61.5 | 10.3 | 5.02 | 3.6 |
| 6-7 | | | | | | NDR 25.4 | 6.68 | < 0.193 | NDR 0.577 | NDR 0.168 | NDR 0.191 | 125 | 53 | 9.17 | 4.22 | 2.29 |
| 9-10 | | | | | | NDR 33.0 | 8.7 | < 0.830 | 0.696 | < 0.500 | < 0.466 | 170 | 70.9 | 12.5 | 5.63 | 4.5 |
| 12-14 | | | | | | NDR 14.9 | 3.76 | < 0.487 | NDR 0.424 | < 0.298 | < 0.277 | 87.7 | 29.4 | 6.26 | 2.41 | 1.05 |
| 14-16 | | | | | | 6.49 | 1.74 | < 0.220 | < 0.173 | < 0.141 | < 0.130 | 25.5 | 11.4 | 2.56 | 0.921 | 0.463 |
| 18-20 | | | | | | NDR 0.549 | NDR 0.671 | < 0.201 | < 0.154 | NDR 0.180 | NDR 0.129 | 7.37 | 0.977 | 0.242 | 0.301 | < 0.141 |
| 25-30 | | | | | | NDR 0.745 | NDR 0.927 | < 0.514 | < 0.394 | < 0.310 | < 0.288 | 11.7 | 0.98 | < 0.484 | < 0.807 | < 0.680 |
| 35-40 | | | | | | < 0.243 | < 0.201 | < 0.259 | < 0.204 | < 0.166 | < 0.153 | 3.33 | < 0.497 | < 0.372 | < 0.576 | < 0.521 |
| **Core 3** | | | | | | | | | | | | | | | | |
| 0-1 | 55.1 | 20.7 | < 0.265 | 1.95 | 5.31 | 170 | 32.5 | < 0.529 | 1.2 | NDR 0.344 | 0.969 | 661 | 224 | 17.8 | 30 | 23.4 |
| 0-1 (Duplicate) | 51.8 | 23.3 | < 0.302 | 1.91 | 5.8 | 195 | 36.3 | < 0.740 | 1.37 | < 0.466 | 0.98 | 731 | 242 | 18.3 | 30.6 | 30.6 |
| 1-2 | | | | | | 185 | 28.4 | < 0.388 | 0.684 | < 0.238 | 0.442 | 730 | 230 | 17.4 | 29.2 | 22.4 |
| 3-4 | 89.7 | 34.6 | < 0.249 | 2.85 | 8.2 | 269 | 40.9 | < 0.425 | 2.31 | NDR 0.624 | 1.24 | 660 | 304 | 23.8 | 31.5 | NDR 28.7 |
| 6-7 | 167 | 60 | < 0.392 | 4.07 | 11.8 | 256 | 35.8 | < 0.814 | 3.54 | 0.696 | 1.09 | 407 | 265 | 23.4 | 21.4 | 25.3 |
| 9-10 | 103 | 63.2 | < 0.186 | 3.57 | 10.9 | 168 | 22 | < 0.485 | NDR 2.03 | < 0.315 | 0.68 | 190 | 148 | 16.9 | 7.92 | NDR 9.47 |
| 12-14 | 33.3 | 30.4 | < 0.190 | 1.75 | 5.68 | 91.8 | 11.5 | < 0.324 | 0.774 | < 0.190 | 0.312 | 131 | 79.3 | 15 | 4.71 | 3.84 |
| 12-14 (Duplicate) | 27.4 | 32 | < 0.101 | 1.84 | 5.64 | 99.7 | 12.3 | < 0.272 | 1.5 | < 0.177 | 0.189 | 124 | 80.4 | 15.1 | 5.06 | NDR 6.30 |
| 14-16 | | | | | | 38.6 | 4.63 | < 0.200 | < 0.161 | < 0.123 | < 0.115 | 59.9 | 37.1 | 6.51 | 1.86 | 1.32 |
| 18-20 | 2.13 | 1.75 | < 0.213 | 0.177 | 0.457 | 5.46 | 0.866 | < 0.198 | < 0.154 | < 0.128 | < 0.123 | 10.1 | 5.97 | NDR 1.04 | < 0.168 | NDR 0.298 |
| 25-30 | 0.33 | NDR 0.392 | < 0.101 | < 0.091 | NDR 0.150 | 1.31 | NDR 0.403 | < 0.186 | < 0.144 | < 0.119 | < 0.112 | NDR 3.80 | NDR 1.02 | 0.13 | < 0.170 | NDR 0.214 |
| **Core 4** | | | | | | | | | | | | | | | | |
| 1-2 | 3.13 | 3.13 | < 0.859 | < 0.476 | 0.771 | 8.34 | 3.45 | < 0.259 | < 0.208 | < 0.159 | < 0.149 | 131 | 19.5 | 1.9 | 4.8 | 1.84 |
| 1-2 | | | | | | | | | | | | | | | | |
| 14-16 | | | | | | 25.5 | 6.38 | < 0.159 | < 0.128 | < 0.098 | K 0.246 | 128 | 45.3 | 5.18 | 5.84 | 3 |
| 30-35 | | | | | | K 42.5 | 7.44 | < 0.307 | 0.511 | < 0.185 | 0.241 | 107 | 61.8 | 9.87 | 4.3 | 3.39 |
| 30-35 (Duplicate) | | | | | | K 44.8 | 8.08 | < 0.239 | 0.596 | < 0.144 | 0.283 | 116 | 64.5 | 10.3 | 4.27 | 4.55 |

Table 8: Continued.

| Sample Depth (cm) | Br2-DPE-7 | Br2-DPE-8/11 | Br2-DPE-10 | Br2-DPE-12/13 | Br2-DPE-15 | Br3-DPE-17/25 | Br3-DPE-28/33 | Br3-DPE-30 | Br3-DPE-32 | Br3-DPE-35 | Br3-DPE-37 | Br4-DPE-47 | Br4-DPE-49 | Br4-DPE-51 | Br4-DPE-66 | Br4-DPE-71 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 5** | | | | | | | | | | | | | | | | |
| 0-1 | 1.15 | 2.33 | < 0.190 | < 0.101 | 1.78 | 6.26 | 4.49 | < 0.382 | < 0.302 | < 0.221 | < 0.201 | 56.1 | 7.51 | NDR 1.30 | NDR 2.74 | 1.42 |
| 1-2 | | | | | | 8.79 | 4.92 | < 0.323 | < 0.256 | < 0.194 | 0.237 | 65.7 | 12.4 | 1.77 | 2.65 | 1.08 |
| 3-4 | 0.792 | 3.66 | < 0.186 | < 0.106 | 3.67 | 11.8 | 7.2 | < 0.348 | < 0.275 | < 0.201 | 0.298 | 90 | 16 | NDR 2.78 | 4.22 | 1.8 |
| 6-7 | 1.42 | 3.3 | < 0.196 | < 0.104 | 3.65 | 9.93 | 5.96 | < 0.234 | < 0.180 | < 0.132 | NDR 0.252 | 64 | 11.1 | 2.1 | 2.36 | 1.04 |
| 9-10 | 2.4 | 4.1 | < 0.289 | NDR 0.323 | 3.94 | 11.4 | 6.17 | < 0.182 | NDR 0.234 | NDR 0.122 | NDR 0.342 | 54.6 | 12.7 | 3.3 | NDR 2.40 | NDR 1.76 |
| 12-14 | 2.69 | 4.5 | < 0.143 | 0.376 | 4.8 | 12.7 | 6.2 | < 0.234 | NDR 0.255 | < 0.125 | NDR 0.289 | 68.3 | 17.4 | 4.67 | 3.43 | 2.16 |
| 14-16 | | | | | | K 13.5 | 5.29 | < 0.288 | 0.262 | < 0.174 | K 0.292 | 63.8 | 20.2 | 5.38 | 2.89 | 1.23 |
| 18-20 | 1.52 | 3.06 | < 0.148 | 0.285 | 2.96 | 9.47 | 3.99 | < 0.239 | < 0.184 | < 0.135 | NDR 0.213 | 42.3 | 12 | 3.32 | 1.98 | 1.28 |
| 25-30 | 0.199 | 0.357 | < 0.144 | < 0.092 | 0.3 | 1.09 | 0.558 | < 0.171 | < 0.131 | < 0.097 | < 0.092 | 6.45 | NDR 1.23 | 0.304 | NDR 0.339 | < 0.151 |
| 45-50 | | | | | | K 0.247 | K 0.183 | < 0.243 | < 0.192 | < 0.146 | < 0.137 | 4.45 | < 0.462 | < 0.307 | < 0.496 | < 0.410 |
| **Core 6** | | | | | | | | | | | | | | | | |
| 0-1 | 0.618 | 1.24 | < 0.162 | < 0.097 | 0.887 | 5.89 | 3.55 | < 0.221 | < 0.170 | < 0.125 | NDR 0.166 | 67.6 | 7.14 | 0.888 | 1.9 | 1.08 |
| 1-2 | 1.02 | 1.69 | < 0.164 | NDR 0.151 | NDR 1.03 | 6.26 | 4.05 | < 0.162 | < 0.125 | < 0.104 | NDR 0.192 | 49.2 | 6.82 | 0.966 | 1.73 | NDR 0.512 |
| 3-4 | 1.28 | 2.11 | < 0.202 | < 0.107 | 1.28 | 8.43 | 4.47 | < 0.312 | < 0.240 | < 0.176 | < 0.160 | 65.3 | 8.55 | NDR 1.40 | 2.25 | 1.43 |
| 6-7 | 0.997 | 2.15 | < 0.178 | NDR 0.179 | 1.09 | 8.51 | 4.95 | < 0.231 | < 0.178 | < 0.130 | NDR 0.149 | 57.2 | 8.41 | 1.32 | 1.87 | NDR 0.957 |
| 9-10 | 1.56 | 2.79 | < 0.095 | 0.211 | 1.85 | 10.7 | 5.77 | < 0.133 | 0.12 | 0.123 | 0.261 | 71.5 | 11.6 | 1.76 | 2.67 | 1.02 |
| 12-14 | 1.94 | 3.5 | < 0.095 | 0.231 | 2.02 | 10.8 | 5.6 | < 0.149 | NDR 0.164 | < 0.095 | 0.179 | 64.6 | 11.8 | 2.03 | 2.65 | 1.26 |
| 14-16 | 3.26 | 5.75 | < 0.109 | 0.433 | 3.1 | 16.7 | 7.16 | < 0.199 | 0.307 | < 0.127 | 0.292 | 65.5 | 15.7 | 3.03 | NDR 3.12 | NDR 1.25 |
| 18-20 | 3.52 | 6.18 | < 0.107 | 0.545 | 4.32 | 21.4 | 9.83 | < 0.242 | NDR 0.378 | < 0.129 | 0.304 | 97.5 | 22 | 4.4 | 4.09 | NDR 2.20 |
| 25-30 | 2.33 | 5.18 | < 0.106 | 0.35 | 2.35 | 12.1 | 4.99 | < 0.173 | 0.297 | < 0.094 | 0.169 | 49.5 | 11.8 | 2.53 | 2.12 | NDR 1.29 |
| 40-45 | 0.637 | 1.15 | < 0.145 | NDR 0.181 | 0.567 | 2.07 | NDR 0.923 | < 0.175 | < 0.135 | < 0.112 | < 0.105 | 8.46 | 1.56 | NDR 0.410 | NDR 0.340 | NDR 0.228 |
| **Core 7** | | | | | | | | | | | | | | | | |
| 0-1 | 0.511 | 1.04 | < 0.111 | NDR 0.118 | 0.843 | 4.15 | 2.9 | < 0.147 | < 0.112 | < 0.111 | < 0.111 | 48.1 | 5 | 0.869 | NDR 1.53 | NDR 0.589 |
| 1-2 | 1.06 | 1.17 | < 0.092 | 0.124 | 0.986 | K 4.92 | 2.59 | < 0.092 | < 0.092 | < 0.092 | 0.1 | 49 | 6.15 | 0.916 | 1.74 | K 0.309 |
| 3-4 | 0.67 | 1.85 | < 0.097 | 0.145 | 1.17 | 5.66 | 2.93 | < 0.159 | < 0.121 | < 0.097 | 0.114 | 37.9 | 6.76 | 1.32 | 1.8 | 0.732 |
| 6-7 | 0.573 | 1.22 | < 0.097 | NDR 0.109 | 0.922 | 3.97 | 2.11 | < 0.144 | < 0.115 | < 0.097 | < 0.097 | 29.4 | 4.66 | 0.837 | 1.3 | NDR 0.490 |
| 9-10 | 0.567 | 1.55 | < 0.133 | 0.216 | 1.06 | 5.31 | 3.06 | < 0.151 | < 0.117 | < 0.097 | NDR 0.152 | 36.1 | 6.45 | NDR 1.08 | 1.56 | NDR 0.684 |
| 12-14 | < 0.096 | NDR 0.179 | < 0.096 | < 0.096 | NDR 0.164 | 0.76 | 0.435 | < 0.096 | < 0.096 | < 0.096 | < 0.096 | 8.78 | 1.02 | 0.17 | NDR 0.341 | < 0.096 |
| 18-20 | 0.243 | 0.288 | < 0.101 | < 0.101 | 0.24 | 1.11 | 0.801 | < 0.101 | < 0.101 | < 0.101 | < 0.101 | 16.4 | NDR 1.43 | NDR 0.226 | NDR 0.432 | NDR 0.287 |
| 25-30 | < 0.121 | 0.15 | < 0.145 | < 0.096 | NDR 0.139 | 0.871 | 0.517 | < 0.104 | < 0.096 | < 0.096 | < 0.096 | 10.8 | NDR 1.12 | NDR 0.165 | NDR 0.251 | NDR 0.144 |
| 40-44 | | | | | | < 0.196 | 0.211 | < 0.222 | < 0.172 | < 0.130 | < 0.120 | 5.04 | < 0.269 | < 0.183 | < 0.297 | < 0.244 |
| **Surface Only Samples** | | | | | | | | | | | | | | | | |
| 8/1-2 | 0.619 | 1.91 | < 0.206 | NDR 0.216 | 2.08 | 5.49 | 3.62 | < 0.248 | < 0.201 | < 0.166 | 0.718 | 49.9 | 7.48 | 1.5 | NDR 2.14 | NDR 0.694 |
| 9/1-2 | 1.39 | 1.77 | < 0.207 | < 0.169 | 2 | 6.95 | 3.95 | < 0.272 | < 0.220 | NDR 0.179 | 0.65 | 56.6 | 9.11 | NDR 3.33 | 2.63 | < 0.169 |
| 10/0-1 | NDR 0.807 | 1.75 | < 0.442 | < 0.417 | 2.5 | 6.21 | 4.15 | < 0.504 | < 0.489 | < 0.417 | 1.25 | 61.3 | 9.54 | 2.43 | 2.7 | NDR 0.830 |
| 11/0-1 | NDR 1.57 | 1.94 | < 0.415 | 0.29 | 2.57 | 6.85 | 3.97 | < 0.374 | < 0.302 | < 0.261 | 1.08 | 69.8 | NDR 10.8 | 2.16 | NDR 3.18 | < 0.261 |
| 12/0-1 | 0.866 | 0.724 | < 0.199 | < 0.189 | 1.16 | 3.03 | 2.31 | < 0.375 | < 0.303 | < 0.194 | 0.841 | 37.1 | NDR 4.61 | 1.09 | NDR 1.68 | NDR 0.439 |
| 13/0-1 | NDR 0.600 | NDR 0.716 | < 0.147 | < 0.145 | 0.956 | 2.67 | 1.86 | < 0.169 | NDR 0.180 | < 0.145 | NDR 0.461 | 30.3 | 3.58 | NDR 1.13 | 1.27 | NDR 0.489 |
| 14/0-1 | 1.32 | 3.2 | < 0.122 | 0.378 | 3.62 | 11.2 | 5.77 | < 0.154 | < 0.124 | 0.193 | 0.65 | 89.3 | 18.1 | 3.47 | NDR 3.66 | NDR 0.969 |
| 15/0-1 | 0.334 | 1.21 | < 0.141 | < 0.101 | 0.942 | 3.02 | 2.22 | < 0.214 | < 0.170 | < 0.120 | NDR 0.484 | 35.8 | NDR 3.96 | NDR 0.432 | 1.22 | NDR 0.384 |
| 16/0-1 | 1.17 | 2.22 | < 0.320 | < 0.189 | 1.37 | 7.83 | 4.12 | < 0.322 | < 0.261 | < 0.201 | < 0.188 | 62.5 | 7.63 | NDR 1.16 | 2.91 | < 0.713 |
| 17/0-1 | 1.38 | 2.11 | < 0.571 | < 0.338 | 3.23 | 9.6 | NDR 6.14 | < 0.674 | < 0.547 | < 0.421 | NDR 0.706 | 107 | 13.2 | 1.94 | 6.01 | NDR 1.19 |

Table 8: Continued.

| Sample Depth (cm) | Br2-DPE-7 | Br2-DPE-8/11 | Br2-DPE-10 | Br2-DPE-12/13 | Br2-DPE-15 | Br3-DPE-17/25 | Br3-DPE-28/33 | Br3-DPE-30 | Br3-DPE-32 | Br3-DPE-35 | Br3-DPE-37 | Br4-DPE-47 | Br4-DPE-49 | Br4-DPE-61 | Br4-DPE-66 | Br4-DPE-71 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18/0-1 | NDR 1.00 | 1.36 | < 0.369 | < 0.218 | 0.608 | 4.53 | 1.83 | < 0.231 | < 0.188 | < 0.145 | NDR 0.287 | 28.3 | 3.56 | NDR 0.728 | NDR 0.865 | < 0.531 |
| 19/0-1 | 1.51 | 3.15 | < 0.149 | < 0.095 | 2.11 | 7.75 | 4.58 | < 0.175 | < 0.141 | < 0.107 | 0.265 | 59.2 | 9.04 | 1.54 | 2.77 | < 0.891 |
| 20/0-1 | NDR 1.18 | 2.22 | < 0.317 | < 0.177 | 1.99 | 6.55 | NDR 3.51 | < 0.370 | < 0.299 | < 0.225 | NDR 0.356 | 82 | 8.38 | 2.09 | NDR 3.19 | < 1.12 |
| 21/0-1 | 3.96 | 3.87 | < 1.29 | < 0.722 | 4.08 | 18.6 | 7.94 | < 1.53 | < 1.24 | < 0.934 | 1.11 | 159 | NDR 27.1 | 6.71 | 6.58 | NDR 2.68 |
| 22/0-1 | 1.19 | NDR 0.702 | < 0.585 | < 0.327 | 1.49 | 4.9 | NDR 3.13 | < 0.302 | < 0.260 | < 0.260 | NDR 0.655 | 56.1 | NDR 5.97 | 1.61 | NDR 2.66 | < 0.458 |
| **Sediment Traps** | | | | | | | | | | | | | | | | |
| A1 TOP | | | | | | 21.2 | 9.6 | < 0.421 | < 0.327 | < 0.247 | K 0.282 | 628 | 49.5 | 6.07 | 15.1 | 6.07 |
| A1 BOT | | | | | | 38.6 | 11 | < 0.419 | < 0.326 | < 0.245 | 0.344 | 522 | 76 | 9.01 | 13.2 | 8.51 |
| B1 TOP | | | | | | K 4.98 | 2.86 | < 0.300 | < 0.233 | < 0.176 | < 0.162 | 72.2 | 8.52 | 0.962 | 2.46 | K 0.693 |
| B1 BOT | | | | | | K 6.68 | 3.52 | < 0.372 | < 0.289 | < 0.218 | < 0.201 | 76.6 | 11 | 1.23 | 2.4 | K 1.17 |

Table 8: Continued.

| Sample Depth (cm) | Br4-DPE-75 | Br4-DPE-77 | Br4-DPE-79 | Br5-DPE-85 | Br5-DPE-99 | Br5-DPE-100 | Br5-DPE-105 | Br5-DPE-118 | Br5-DPE-119/120 | Br5-DPE-126 | Br5-DPE-129 | Br6-DPE-138/160 | Br6-DPE-140 | Br6-DPE-153 | Br6-DPE-154 | Br6-DPE-155 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | |
| 0-1 | < 0.092 | < 0.082 | < 0.092 | NDR 0.577 | 15.4 | 8.82 | < 0.376 | < 0.483 | < 0.259 | < 0.177 | < 0.836 | NDR 0.405 | 0.17 | 2.03 | 3.34 | 0.554 |
| 1-2 | < 0.407 | < 0.322 | < 0.394 | 0.73 | 23.3 | 14.5 | < 0.341 | < 0.446 | K 0.442 | < 0.160 | < 0.546 | K 0.397 | < 0.263 | 3.64 | 6.1 | 1.17 |
| 3-4 | < 0.110 | < 0.097 | NDR 0.391 | 0.476 | 12.9 | 8.33 | < 0.383 | < 0.492 | < 0.274 | < 0.180 | < 1.11 | NDR 0.525 | NDR 0.197 | 2.47 | 3.84 | 0.594 |
| 6-7 | < 0.236 | < 0.213 | < 0.236 | < 0.404 | 8.92 | 5.54 | < 0.525 | < 0.673 | < 0.362 | < 0.250 | < 1.81 | < 0.348 | < 0.205 | NDR 1.67 | NDR 2.37 | NDR 0.466 |
| 9-10 | < 0.147 | < 0.132 | 0.24 | < 0.230 | 5.06 | 2.53 | < 0.298 | < 0.383 | < 0.206 | < 0.147 | < 1.17 | < 0.399 | < 0.235 | 0.843 | NDR 1.05 | 0.303 |
| 12-14 | < 0.392 | < 0.344 | < 0.390 | < 0.272 | 4.12 | 1.02 | < 0.353 | < 0.453 | < 0.244 | < 0.165 | < 1.28 | < 0.315 | < 0.186 | 0.523 | NDR 0.422 | < 0.123 |
| 14-16 | < 0.296 | < 0.240 | < 0.286 | 0.43 | 7.96 | 1.63 | < 0.263 | < 0.343 | < 0.216 | < 0.128 | < 0.729 | K 0.378 | < 0.240 | 0.939 | K 0.778 | < 0.169 |
| 18-20 | < 0.140 | < 0.125 | < 0.140 | NDR 0.425 | 6.67 | 1.59 | < 0.319 | < 0.410 | < 0.220 | < 0.146 | < 1.60 | < 0.356 | < 0.210 | NDR 0.980 | NDR 0.671 | < 0.139 |
| 25-30 | < 0.261 | < 0.221 | < 0.264 | < 0.272 | 5.49 | 1.35 | < 0.358 | < 0.450 | < 0.259 | < 0.174 | < 1.33 | NDR 0.352 | < 0.168 | NDR 0.630 | NDR 0.595 | < 0.117 |
| 50-55 | < 0.679 | < 0.572 | < 0.657 | < 0.444 | 6.53 | 1.76 | < 0.549 | < 0.717 | < 0.451 | < 0.259 | < 1.73 | < 0.721 | < 0.493 | 0.845 | 0.474 | < 0.348 |
| **Core 2** | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.224 | < 0.094 | < 0.094 | 4.36 | 130 | 38.6 | < 0.443 | < 0.548 | 0.756 | 0.343 | < 0.580 | 1.92 | 0.805 | 19.9 | 20.5 | 3.07 |
| 1-2 | K 0.289 | < 0.099 | < 0.121 | 8.18 | 223 | 66 | < 0.730 | < 0.972 | 0.997 | < 0.352 | < 0.619 | 2.99 | 1.42 | 33.6 | 35.6 | 5.32 |
| 3-4 | < 0.476 | < 0.400 | 1.78 | NDR 3.68 | 97.9 | 35.9 | < 1.76 | 4.63 | < 1.44 | < 0.854 | < 1.12 | 1.85 | 0.828 | 18.4 | 21.9 | 4.54 |
| 6-7 | 0.148 | < 0.099 | 0.441 | 3.44 | 93.6 | 35.4 | < 0.467 | < 0.605 | 0.901 | NDR 0.287 | < 0.604 | 1.12 | 0.769 | 16.2 | 15.3 | 4.84 |
| 9-10 | < 0.714 | < 0.589 | 1.62 | NDR 5.27 | 122 | 47.9 | < 1.18 | < 1.65 | 1.58 | < 0.550 | < 2.57 | 2.36 | 1.3 | 22.4 | 27.4 | 5.22 |
| 12-14 | < 0.532 | < 0.442 | NDR 0.539 | NDR 4.14 | 80.3 | 24.6 | < 1.31 | < 1.70 | < 1.07 | < 0.555 | < 1.23 | NDR 1.25 | 0.606 | 11.1 | 12.7 | 2.62 |
| 14-16 | < 0.117 | < 0.091 | < 0.105 | 0.644 | 15.8 | 6.76 | < 0.662 | < 0.882 | < 0.610 | < 0.317 | < 0.481 | < 0.294 | < 0.216 | 2.95 | 3.88 | 1.07 |
| 18-20 | < 0.124 | < 0.099 | < 0.115 | NDR 0.628 | 5.91 | 1.52 | < 0.202 | < 0.283 | NDR 0.236 | < 0.105 | < 0.347 | 0.167 | < 0.114 | 1.11 | 0.604 | NDR 0.271 |
| 25-30 | < 0.595 | < 0.498 | < 0.553 | < 0.686 | 4.93 | 2.22 | < 0.846 | < 1.18 | < 0.740 | < 0.395 | < 1.72 | NDR 0.709 | < 0.425 | 2.25 | 1.25 | NDR 0.329 |
| 35-40 | < 0.447 | < 0.336 | < 0.404 | < 0.619 | 2.79 | 0.684 | < 0.729 | < 0.970 | < 0.671 | < 0.367 | < 0.655 | < 0.313 | < 0.229 | K 0.353 | 0.351 | < 0.163 |
| **Core 3** | | | | | | | | | | | | | | | | |
| 0-1 | 1.2 | < 0.122 | NDR 5.90 | 27.5 | 640 | 178 | < 1.60 | < 2.01 | 4.12 | 0.795 | < 3.45 | 9.65 | 3.67 | 90.5 | 82.2 | 8.25 |
| 0-1 (Duplicate) | NDR 1.63 | NDR 0.209 | NDR 6.56 | 28.9 | 682 | 192 | < 1.30 | < 1.63 | 5.05 | 1.06 | < 3.56 | 9.49 | 3.89 | 96.4 | 91.3 | 8.88 |
| 1-2 | 1.28 | < 0.099 | < 0.115 | 25.4 | 644 | 176 | < 2.28 | < 3.04 | 3.16 | < 1.18 | < 1.33 | 7.12 | 3.63 | 87.1 | 77 | 8.47 |
| 3-4 | 1.6 | NDR 0.209 | NDR 5.97 | 21.3 | 524 | 167 | < 1.32 | < 1.66 | NDR 4.44 | 1.19 | < 3.94 | 8 | 3.47 | 82.1 | 81.1 | 9.93 |
| 6-7 | 1.21 | NDR 0.730 | 4.95 | 12.9 | 286 | 101 | < 1.98 | NDR 5.13 | 8.39 | 1.28 | < 4.00 | 7.53 | 4.49 | 75.3 | 72.9 | 9.75 |
| 9-10 | NDR 0.904 | < 0.094 | NDR 1.74 | 4.7 | 96.6 | 35.5 | < 0.857 | 1.13 | NDR 0.969 | 0.676 | < 1.93 | 2.11 | 1.21 | 16.7 | 18.9 | 5.56 |
| 12-14 | 0.364 | < 0.155 | 0.659 | 2.77 | 57.3 | 22.7 | < 0.352 | < 0.505 | 0.625 | 0.223 | < 1.11 | 1.53 | 0.653 | 10.5 | 12 | 3.34 |
| 12-14 (Duplicate) | NDR 0.427 | < 0.092 | NDR 1.30 | 2.31 | 47.7 | 20.7 | < 0.458 | < 0.579 | 0.522 | NDR 0.286 | < 1.30 | 1.03 | 0.614 | 8.49 | 10.3 | 3.5 |
| 14-16 | < 0.234 | < 0.179 | < 0.213 | K 1.46 | 31.6 | 10.7 | < 1.05 | < 1.40 | < 0.945 | < 0.526 | < 0.734 | 0.597 | 0.333 | 5.92 | 6.67 | K 1.68 |
| 18-20 | < 0.123 | < 0.100 | < 0.118 | 0.509 | 6.59 | 1.97 | < 0.429 | < 0.542 | < 0.315 | < 0.197 | < 1.58 | < 0.358 | NDR 0.298 | 1.2 | NDR 1.33 | 0.623 |
| 25-30 | < 0.115 | < 0.100 | < 0.118 | < 0.251 | 2.78 | 0.794 | < 0.339 | < 0.444 | < 0.239 | < 0.155 | < 0.525 | NDR 0.256 | < 0.093 | NDR 0.485 | NDR 0.357 | 0.156 |
| **Core 4** | | | | | | | | | | | | | | | | |
| 1-2 | < 0.279 | < 0.214 | < 0.253 | 5.68 | 131 | 33.3 | < 0.999 | < 1.33 | < 0.899 | < 0.491 | < 0.831 | 1.82 | 0.673 | 15.3 | 14.8 | K 1.27 |
| 1-2 | | | | | | | | | | | | | | | | |
| 14-16 | K 0.217 | < 0.111 | < 0.135 | 3.56 | 88 | 31.1 | < 0.668 | < 0.891 | K 0.613 | < 0.343 | < 0.531 | 0.952 | K 0.608 | 12.2 | 14.6 | 1.84 |
| 30-35 | 0.268 | < 0.219 | K 0.701 | 2.78 | 52.6 | 23.3 | < 0.422 | < 0.551 | K 1.03 | K 0.195 | < 0.606 | K 0.981 | 0.54 | 8.52 | 11.7 | 1.71 |
| 30-35 (Duplicate) | 0.209 | < 0.136 | K 0.711 | 2.99 | 58.7 | 25.8 | < 0.279 | < 0.365 | 0.965 | K 0.194 | < 0.535 | 0.804 | 0.388 | 8.63 | 12.1 | 1.97 |

Table 8: Continued.

| Sample Depth (cm) | Br4-DPE-75 | Br4-DPE-77 | Br4-DPE-79 | Br5-DPE-85 | Br5-DPE-99 | Br5-DPE-100 | Br5-DPE-105 | Br5-DPE-116 | Br5-DPE-119/120 | Br5-DPE-126 | Br6-DPE-128 | Br6-DPE-138/166 | Br6-DPE-140 | Br6-DPE-153 | Br6-DPE-154 | Br6-DPE-155 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 5** | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.212 | < 0.099 | < 0.099 | 0.902 | 30.6 | 13.7 | < 0.777 | < 1.17 | < 0.711 | < 0.385 | < 0.678 | NDR 0.298 | NDR 0.224 | 5.07 | 6.32 | 0.839 |
| 1-2 | < 0.349 | < 0.277 | 0.638 | K 1.09 | 37.1 | 18.8 | < 0.502 | < 0.656 | K 0.495 | < 0.233 | < 0.752 | 0.452 | K 0.332 | 5.54 | 9.28 | 1.31 |
| 3-4 | NDR 0.186 | < 0.106 | < 0.106 | 1.31 | 46.6 | 26.6 | < 0.755 | < 1.14 | NDR 0.805 | < 0.369 | < 0.506 | 0.663 | NDR 0.409 | 7.66 | 12.8 | 1.76 |
| 6-7 | NDR 0.217 | < 0.123 | < 0.153 | NDR 1.15 | 34.8 | 20 | < 0.387 | < 0.592 | NDR 0.388 | < 0.197 | < 0.482 | 0.524 | 0.293 | 5.56 | 8.9 | NDR 1.47 |
| 9-10 | NDR 0.193 | NDR 0.144 | NDR 0.489 | 1.28 | 32.7 | 19.1 | < 0.753 | < 0.986 | < 0.531 | < 0.344 | < 1.38 | NDR 0.601 | NDR 0.379 | 5.93 | 9.67 | NDR 1.45 |
| 12-14 | 0.225 | < 0.096 | < 0.096 | NDR 1.21 | 37.9 | 21.2 | < 0.370 | < 0.539 | NDR 0.696 | < 0.178 | < 0.302 | 0.514 | NDR 0.353 | 6.54 | 11.6 | 2.07 |
| 14-16 | < 0.226 | < 0.177 | K 0.373 | 1.45 | 38.5 | 20 | < 0.279 | K 1.13 | 0.889 | 0.189 | < 0.677 | 0.593 | K 0.388 | 6.94 | 11.4 | 2.42 |
| 18-20 | NDR 0.173 | < 0.090 | < 0.104 | 0.782 | 24 | 13.8 | < 0.518 | < 0.793 | NDR 0.551 | < 0.275 | < 0.399 | 0.511 | 0.262 | 4.45 | 7.67 | 2.03 |
| 25-30 | < 0.134 | < 0.093 | < 0.116 | < 0.275 | 4.19 | 1.63 | < 0.321 | < 0.491 | < 0.313 | < 0.165 | < 0.391 | < 0.181 | < 0.123 | NDR 0.872 | 1.09 | 0.554 |
| 45-50 | < 0.372 | < 0.299 | < 0.360 | 0.244 | 3.48 | 0.874 | < 0.294 | < 0.384 | < 0.242 | < 0.133 | < 0.766 | < 0.372 | < 0.254 | 0.601 | K 0.341 | < 0.180 |
| **Core 6** | | | | | | | | | | | | | | | | |
| 0-1 | NDR 0.149 | < 0.088 | < 0.103 | 1.27 | 38.8 | 13.8 | < 0.401 | NDR 0.816 | < 0.392 | < 0.212 | < 0.477 | NDR 0.475 | NDR 0.145 | 4.87 | 5.47 | NDR 0.671 |
| 1-2 | NDR 0.157 | < 0.091 | NDR 0.395 | 1.08 | 28.5 | 10.4 | < 0.394 | < 0.516 | 0.312 | < 0.173 | < 0.878 | NDR 0.722 | 0.316 | 4.11 | 4.88 | 0.531 |
| 3-4 | < 0.154 | < 0.116 | < 0.132 | 0.603 | 32 | 13.7 | < 0.654 | < 1.00 | < 0.639 | < 0.361 | < 0.516 | NDR 0.308 | NDR 0.225 | 4.75 | 6.12 | NDR 0.866 |
| 6-7 | NDR 0.116 | < 0.090 | < 0.091 | 0.721 | 26.1 | 12.1 | < 0.364 | < 0.556 | NDR 0.393 | < 0.193 | < 0.295 | < 0.215 | NDR 0.213 | 3.93 | 5.32 | 0.763 |
| 9-10 | 0.179 | 0.11 | 0.45 | 1.21 | 35.4 | 14.9 | < 0.337 | < 0.484 | 0.413 | < 0.138 | < 0.315 | NDR 0.462 | 0.257 | 5.65 | 7.3 | 0.989 |
| 12-14 | NDR 0.162 | < 0.095 | < 0.095 | 0.801 | 27.8 | 12.9 | < 0.344 | < 0.501 | 0.375 | < 0.165 | < 0.216 | 0.344 | NDR 0.199 | 4.43 | 6.17 | 0.992 |
| 14-16 | 0.157 | < 0.090 | NDR 0.333 | 1.08 | 30.7 | 13.6 | < 0.378 | < 0.494 | NDR 0.427 | NDR 0.189 | < 1.13 | NDR 0.446 | NDR 0.321 | 4.53 | 7.21 | 1.19 |
| 18-20 | 0.21 | < 0.095 | < 0.095 | NDR 1.06 | 40.3 | 18.1 | < 0.466 | < 0.680 | < 0.449 | < 0.232 | < 0.376 | NDR 0.534 | 0.293 | 6.51 | 9.44 | 1.84 |
| 25-30 | NDR 0.110 | < 0.094 | < 0.094 | 0.531 | 20.4 | 8.78 | < 0.240 | < 0.350 | NDR 0.265 | < 0.116 | < 0.285 | NDR 0.189 | NDR 0.225 | 3.07 | 4.78 | 1.17 |
| 40-45 | < 0.133 | < 0.116 | < 0.136 | 0.276 | 5.7 | 1.66 | < 0.338 | < 0.442 | < 0.238 | < 0.153 | < 1.34 | NDR 0.534 | < 0.146 | NDR 1.10 | NDR 1.22 | NDR 0.387 |
| **Core 7** | | | | | | | | | | | | | | | | |
| 0-1 | < 0.111 | < 0.111 | < 0.111 | 0.851 | 25.1 | 9.82 | < 0.240 | < 0.350 | < 0.231 | < 0.114 | < 0.244 | NDR 0.342 | NDR 0.116 | 3.35 | 4.3 | 0.544 |
| 1-2 | 0.103 | < 0.092 | 0.114 | 0.919 | 27.3 | 10.7 | < 0.140 | < 0.174 | K 0.190 | 0.1 | < 0.292 | 0.463 | K 0.197 | 3.89 | 4.58 | 0.579 |
| 3-4 | < 0.097 | < 0.097 | < 0.097 | 0.501 | 18.9 | 7.93 | < 0.206 | < 0.300 | 0.255 | < 0.103 | < 0.256 | 0.193 | 0.148 | 2.8 | 3.92 | 0.558 |
| 6-7 | < 0.097 | < 0.097 | < 0.097 | 0.466 | 13.3 | 6.18 | < 0.249 | < 0.343 | < 0.210 | < 0.113 | < 0.258 | NDR 0.197 | NDR 0.144 | 2 | 3.01 | NDR 0.560 |
| 9-10 | < 0.100 | < 0.088 | NDR 0.312 | 0.916 | 23.3 | 8.96 | < 0.441 | < 0.576 | < 0.310 | < 0.209 | < 1.03 | NDR 0.610 | NDR 0.216 | 3.63 | 4.23 | 0.781 |
| 12-14 | < 0.096 | < 0.096 | < 0.096 | NDR 0.189 | 4.65 | 1.6 | < 0.158 | < 0.218 | < 0.134 | < 0.096 | < 0.348 | < 0.117 | < 0.096 | 0.649 | NDR 0.761 | NDR 0.194 |
| 18-20 | < 0.101 | < 0.101 | < 0.101 | 0.363 | 8.6 | 3.06 | < 0.283 | < 0.390 | < 0.239 | < 0.126 | < 0.381 | NDR 0.159 | 0.115 | 1.12 | 1.44 | NDR 0.204 |
| 25-30 | < 0.096 | < 0.096 | NDR 0.115 | NDR 0.302 | 6.07 | 1.95 | < 0.249 | < 0.343 | < 0.210 | < 0.116 | < 0.460 | < 0.248 | < 0.166 | NDR 0.627 | 1.05 | 0.187 |
| 40-44 | < 0.226 | < 0.174 | < 0.207 | 0.295 | 4.87 | 0.937 | < 0.328 | < 0.447 | < 0.281 | < 0.162 | < 0.815 | 0.456 | < 0.206 | K 1.50 | 0.549 | < 0.146 |
| **Cores/Sample Depth** | | | | | | | | | | | | | | | | |
| 8/1-2 | < 0.166 | < 0.166 | < 0.166 | NDR 1.26 | 31.1 | 12.3 | < 0.413 | < 0.561 | 1.18 | < 0.201 | < 0.676 | NDR 0.602 | NDR 0.354 | 4.87 | 6.38 | 1.28 |
| 9/1-2 | < 0.169 | NDR 0.295 | NDR 1.04 | 0.921 | 27.2 | 14.8 | < 0.634 | < 0.862 | 0.636 | < 0.291 | < 0.906 | NDR 0.353 | < 0.169 | 4.13 | 7.35 | NDR 2.42 |
| 10/0-1 | < 0.417 | < 0.417 | < 0.417 | 0.942 | 31.4 | 15.5 | < 0.461 | NDR 0.784 | 0.5 | < 0.417 | < 1.93 | < 0.417 | < 0.417 | 4.62 | 6.31 | 1.57 |
| 11/0-1 | < 0.261 | < 0.261 | < 0.261 | 2.14 | 59.2 | 21.5 | < 0.684 | < 0.928 | NDR 0.693 | < 0.310 | < 1.30 | 0.874 | 0.442 | 9.85 | 12.4 | 1.66 |
| 12/0-1 | < 0.189 | < 0.189 | < 0.189 | 0.646 | 18.3 | 8.87 | < 0.339 | < 0.461 | < 0.290 | < 0.189 | < 0.959 | NDR 0.418 | NDR 0.211 | 3.01 | 3.76 | 1.05 |
| 13/0-1 | < 0.145 | < 0.145 | 0.211 | 0.566 | 14.8 | 6.87 | < 0.233 | < 0.316 | 0.226 | < 0.145 | < 0.640 | NDR 0.151 | < 0.145 | 2.29 | 3.1 | NDR 0.866 |
| 14/0-1 | NDR 0.240 | < 0.107 | < 0.107 | NDR 1.58 | 54.1 | 24.6 | < 0.479 | < 0.650 | < 0.410 | < 0.218 | < 0.771 | 0.935 | 0.588 | 9.21 | 13.8 | 3.73 |
| 15/0-1 | NDR 0.116 | < 0.101 | < 0.101 | NDR 0.902 | 20.7 | 7.44 | < 0.195 | < 0.288 | NDR 0.195 | < 0.101 | < 0.702 | NDR 0.315 | NDR 0.135 | 3.63 | 3.34 | 0.471 |
| 16/0-1 | < 0.100 | < 0.100 | NDR 0.669 | < 0.489 | 30.8 | 11.8 | < 0.638 | < 0.842 | < 0.500 | < 0.333 | < 1.49 | NDR 0.271 | NDR 0.313 | 4.34 | 5.55 | 0.93 |
| 17/0-1 | < 0.260 | < 0.260 | < 1.60 | < 1.45 | 68.1 | 26.9 | < 1.89 | < 2.49 | < 1.48 | < 1.02 | < 2.66 | NDR 0.801 | NDR 0.427 | NDR 10.1 | 13.8 | 3.26 |

Table 8: Continued.

| Sample Depth (cm) | Br4-DPE-75 | Br4-DPE-77 | Br4-DPE-79 | Br5-DPE-85 | Br5-DPE-99 | Br5-DPE-100 | Br5-DPE-105 | Br5-DPE-116 | Br5-DPE-119/120 | Br5-DPE-126 | Br6-DPE-128 | Br6-DPE-138/166 | Br6-DPE-140 | Br6-DPE-153 | Br6-DPE-154 | Br6-DPE-155 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18/0-1 | < 0.130 | < 0.117 | < 0.458 | NDR 0.443 | 14.4 | 5.11 | < 0.401 | NDR 1.29 | < 0.314 | < 0.221 | < 1.42 | NDR 0.138 | NDR 0.155 | 2.39 | 2.52 | 0.412 |
| 19/0-1 | NDR 0.124 | < 0.095 | < 0.519 | 1.11 | 30.1 | 13.5 | < 0.445 | < 0.608 | < 0.362 | < 0.228 | < 1.03 | 0.611 | NDR 0.463 | 4.23 | 5.82 | NDR 1.25 |
| 20/0-1 | NDR 0.194 | < 0.144 | < 0.738 | NDR 1.25 | 32.1 | 14.5 | < 1.45 | < 1.98 | < 1.18 | < 0.795 | < 1.98 | NDR 0.714 | NDR 0.700 | NDR 5.52 | 6.91 | NDR 1.84 |
| 21/0-1 | < 0.535 | < 0.535 | NDR 1.04 | NDR 3.47 | 96.4 | 44.4 | < 2.94 | 4.59 | < 2.39 | < 1.70 | < 5.88 | NDR 3.31 | NDR 1.45 | 14.3 | 24.2 | NDR 3.97 |
| 22/0-1 | < 0.260 | < 0.260 | < 1.06 | < 1.15 | 32.3 | 14.1 | < 1.52 | < 2.08 | < 1.24 | < 0.833 | < 3.52 | NDR 2.34 | < 0.260 | NDR 4.89 | NDR 7.59 | NDR 2.01 |
| **Sediment Traps** | | | | | | | | | | | | | | | | |
| A1 TOP | 0.954 | < 0.246 | 5.7 | 34.9 | 739 | 165 | < 0.863 | < 1.18 | 3.84 | < 0.408 | K 1.15 | 9.29 | 2.8 | 85.2 | 69.7 | 4.62 |
| A1 BOT | 0.698 | < 0.167 | 2.69 | 25.7 | 528 | 128 | < 0.502 | < 0.684 | 3.96 | < 0.230 | < 1.05 | 6.49 | 2.34 | 60.2 | 54.2 | 4.46 |
| B1 TOP | < 0.261 | < 0.197 | K 0.516 | 2.41 | 60.5 | 17.3 | < 0.279 | < 0.381 | K 0.379 | < 0.132 | < 0.907 | 1.04 | K 0.330 | 7.48 | 7.67 | 0.881 |
| B1 BOT | < 0.381 | < 0.269 | K 0.716 | K 2.18 | 57.4 | 17.6 | < 0.413 | < 0.564 | 0.611 | < 0.200 | < 0.898 | 0.913 | < 0.304 | 7.29 | 8.09 | 0.887 |

Table 8: Continued.

| Sample Depth (cm) | Br7-DPE-181 | Br7-DPE-183 | Br7-DPE-190 | Br8-DPE-203 | Br9-DPE-206 | Br9-DPE-207 | Br9-DPE-208 | Br10-DPE-209 |
|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | |
| 0-1 | < 0.347 | 1.28 | < 0.543 | NDR 4.53 | 24.6 | 30.3 | NDR 28.4 | 536 |
| 1-2 | < 0.503 | K 1.10 | < 0.703 | K 2.85 | 13.1 | K 15.0 | K 10.7 | 451 |
| 3-4 | < 0.534 | 1.85 | < 0.837 | 3.17 | NDR 14.7 | 19 | 16.6 | 307 |
| 6-7 | < 0.803 | NDR 0.953 | < 1.26 | 3.51 | NDR 15.7 | NDR 26.1 | NDR 19.2 | 343 |
| 9-10 | NDR 0.409 | NDR 0.452 | < 0.631 | NDR 1.83 | NDR 7.84 | 12 | NDR 7.12 | 193 |
| 12-14 | < 0.444 | 0.439 | < 0.696 | NDR 1.35 | NDR 9.91 | 8.48 | NDR 7.23 | 105 |
| 14-16 | < 0.423 | K 0.375 | < 0.593 | 1.07 | 6.54 | 6.48 | 6.78 | 200 |
| 18-20 | < 0.825 | NDR 1.29 | < 1.29 | 1.88 | NDR 7.86 | 11.1 | 8.49 | 139 |
| 25-30 | < 1.12 | 1.27 | < 1.71 | NDR 3.78 | NDR 18.5 | NDR 23.0 | NDR 24.1 | 253 |
| 50-55 | < 0.826 | K 0.669 | < 1.16 | K 1.59 | K 10.7 | K 8.18 | K 6.51 | 164 |
| **Core 2** | | | | | | | | |
| 0-1 | < 1.08 | 7.64 | < 1.61 | 7.13 | 50.9 | 53.1 | 32.6 | 1240 |
| 1-2 | < 0.609 | 11.2 | < 0.866 | 10.1 | 83.7 | 77.5 | 71.3 | 2070 |
| 3-4 | < 0.993 | 6.44 | < 1.43 | 3.65 | 25.6 | NDR 21.2 | 16.7 | 1250 |
| 6-7 | < 0.376 | 6.61 | 0.603 | 4.28 | 51.3 | 52.6 | 31.7 | 1850 |
| 9-10 | < 1.67 | 9.09 | < 2.35 | 6.19 | 39.2 | 27.1 | 18.9 | 1810 |
| 12-14 | < 0.821 | 3.17 | < 1.18 | 2.09 | NDR 14.0 | NDR 12.8 | 9.41 | 703 |
| 14-16 | < 0.283 | 1.4 | < 0.402 | 1.52 | K 14.5 | 12.1 | 10.7 | 365 |
| 18-20 | < 0.329 | 0.436 | < 0.462 | 0.78 | 5.47 | 4.53 | NDR 3.26 | 235 |
| 25-30 | < 0.954 | 5.3 | < 1.34 | < 0.576 | < 3.87 | NDR 2.19 | < 3.02 | NDR 96.5 |
| 35-40 | < 0.406 | K 0.309 | < 0.577 | 0.695 | K 2.83 | K 3.93 | 3.6 | K 66.5 |
| **Core 3** | | | | | | | | |
| 0-1 | < 4.86 | 41 | 8.3 | 83.1 | 555 | 646 | 624 | 8400 |
| 0-1 (Duplicate) | < 3.52 | 46.2 | 6.72 | 79.5 | 501 | 614 | 563 | 7260 |
| 1-2 | < 1.41 | 44.4 | < 1.95 | 32.7 | 300 | 210 | 183 | 7140 |
| 3-4 | < 3.02 | 39 | 6.56 | 83.9 | 535 | 616 | 586 | 8520 |
| 6-7 | < 3.40 | 38.5 | 8.54 | 82 | 522 | 644 | 620 | 7780 |
| 9-10 | < 2.23 | 15.3 | 3.86 | 29.1 | 188 | 246 | 204 | 4540 |
| 12-14 | < 0.955 | 7.47 | < 1.39 | 15 | 140 | 134 | 115 | 2720 |
| 12-14 (Duplicate) | < 1.51 | 7.89 | < 2.29 | 17.1 | 109 | 152 | 124 | 2710 |
| 14-16 | < 0.387 | 4.93 | < 0.534 | 4.99 | 54.6 | 39.3 | 32.8 | 1370 |
| 18-20 | < 0.642 | NDR 1.62 | < 0.976 | NDR 2.98 | NDR 14.7 | 22 | 15.8 | 298 |
| 25-30 | < 0.293 | NDR 0.492 | < 0.435 | NDR 1.22 | NDR 5.22 | NDR 8.78 | NDR 6.55 | 150 |
| **Core 4** | | | | | | | | |
| 1-2 | < 0.354 | 3.55 | < 0.488 | 3.95 | 29.2 | 27.1 | 23.9 | 637 |
| 1-2 | | | | | | | | |
| 14-16 | < 0.398 | 3.03 | < 0.549 | 3.31 | 26.7 | 20.6 | K 17.2 | 538 |
| 30-35 | < 0.513 | 4.23 | < 0.718 | K 4.62 | 35.3 | 26.8 | 18.8 | 824 |
| 30-35 (Duplicate) | < 0.470 | 3.17 | < 0.658 | 3.04 | 23.3 | 23.9 | 17.5 | 642 |

Table 8: Continued.

| Sample Depth (cm) | Br7-DPE-181 | Br7-DPE-183 | Br7-DPE-190 | Br8-DPE-203 | Br9-DPE-206 | Br9-DPE-207 | Br9-DPE-208 | Br10-DPE-209 |
|---|---|---|---|---|---|---|---|---|
| **Core 5** | | | | | | | | |
| 0-1 | < 0.326 | NDR 2.28 | < 0.478 | NDR 2.16 | 10.5 | 9.34 | 9.25 | 371 |
| 1-2 | < 0.589 | 2 | < 0.825 | K 3.81 | 27.5 | 28.3 | K 22.0 | 666 |
| 3-4 | < 0.491 | 1.96 | < 0.721 | 5.92 | NDR 25.3 | 32.7 | 26.5 | 618 |
| 6-7 | < 0.428 | 2.17 | < 0.631 | 4.75 | 20.9 | 25.9 | 18.5 | 546 |
| 9-10 | < 0.606 | 2.48 | < 0.899 | 6.04 | NDR 18.2 | NDR 23.5 | 26.2 | 476 |
| 12-14 | < 0.286 | 2.13 | < 0.432 | NDR 4.19 | 19.8 | NDR 19.8 | NDR 15.4 | 411 |
| 14-16 | < 0.521 | 2.5 | < 0.729 | K 3.06 | 20.1 | 18.4 | 13.3 | 609 |
| 18-20 | < 0.337 | 2.57 | < 0.498 | 4.1 | 16.1 | 19.6 | NDR 16.5 | 388 |
| 25-30 | < 0.157 | 1.1 | < 0.231 | NDR 1.49 | NDR 7.58 | NDR 9.35 | 8.67 | 176 |
| 45-50 | < 0.500 | K 0.319 | < 0.700 | < 0.163 | 4.24 | K 2.96 | 2.36 | 63.7 |
| **Core 6** | | | | | | | | |
| 0-1 | < 0.314 | 1.79 | < 0.464 | 3.33 | 20 | 24.2 | 18.5 | 505 |
| 1-2 | < 0.740 | 1.53 | < 1.10 | NDR 4.06 | 14.1 | 17.7 | 20.4 | 300 |
| 3-4 | < 0.322 | 1.44 | < 0.475 | 1.98 | 8.6 | 11.4 | 10.6 | 223 |
| 6-7 | < 0.176 | 1.19 | < 0.260 | NDR 1.99 | 6.4 | 9.22 | 7.77 | 199 |
| 9-10 | < 0.277 | 2.75 | < 0.403 | 2.47 | NDR 12.8 | 13.1 | 12.8 | 239 |
| 12-14 | < 0.159 | 1.2 | < 0.240 | 1.57 | 8.99 | 7.99 | 8.25 | 208 |
| 14-16 | < 0.355 | NDR 2.18 | < 0.526 | 4.76 | 25.1 | 44.7 | 36.4 | 707 |
| 18-20 | < 0.285 | 1.8 | < 0.429 | NDR 3.09 | 23.1 | NDR 20.8 | 16.6 | 471 |
| 25-30 | < 0.115 | 1.18 | < 0.173 | 1.89 | 8.6 | 8.98 | 8.63 | 185 |
| 40-45 | < 0.575 | 0.865 | < 0.852 | 2.69 | NDR 8.98 | 14.8 | 13.1 | 241 |
| **Core 7** | | | | | | | | |
| 0-1 | < 0.111 | NDR 1.02 | < 0.115 | NDR 1.23 | NDR 6.54 | 6.2 | 6.15 | 151 |
| 1-2 | 0.368 | 1.7 | K 0.766 | 3.67 | 10.4 | 22.3 | 15.8 | 173 |
| 3-4 | < 0.163 | 0.911 | < 0.245 | 1.97 | NDR 9.35 | 10.6 | NDR 10.1 | 279 |
| 6-7 | < 0.097 | 0.686 | < 0.148 | NDR 0.842 | 6.98 | 6.55 | 5.38 | 168 |
| 9-10 | < 0.454 | 1.04 | < 0.673 | NDR 2.89 | 10.2 | 11.8 | NDR 11.8 | NDR 140 |
| 12-14 | < 0.123 | 0.236 | < 0.194 | NDR 0.616 | NDR 2.78 | 3.42 | 2.23 | 74.6 |
| 18-20 | < 0.147 | 0.372 | < 0.233 | 0.791 | 6.61 | NDR 8.29 | 5.7 | 219 |
| 25-30 | < 0.096 | NDR 0.285 | < 0.150 | NDR 0.382 | NDR 2.48 | 3.86 | 2.86 | 70.4 |
| 40-44 | < 1.31 | 5.54 | < 1.85 | 14.9 | 144 | 138 | 99.6 | 4310 |
| **Cores/Sample Depth** | | | | | | | | |
| 8/1-2 | < 0.280 | 2.52 | < 0.494 | NDR 3.06 | NDR 27.4 | 42.8 | NDR 27.4 | 475 |
| 9/1-2 | < 0.178 | NDR 1.73 | < 0.315 | 3.37 | 21.1 | NDR 33.7 | 22.8 | 581 |
| 10/0-1 | < 0.595 | NDR 2.89 | NDR 1.51 | NDR 13.4 | 150 | 218 | 136 | 2720 |
| 11/0-1 | < 0.261 | 2.72 | < 0.332 | 4.17 | NDR 31.9 | 59.9 | 32.1 | 446 |
| 12/0-1 | < 0.189 | 2 | < 0.189 | NDR 2.23 | NDR 18.5 | NDR 32.6 | NDR 15.6 | 304 |
| 13/0-1 | < 0.145 | 1.12 | < 0.165 | 2.02 | 16.8 | NDR 24.1 | 16 | 315 |
| 14/0-1 | < 0.392 | 6.86 | < 0.691 | 6.8 | 45.4 | 87.9 | 52.3 | 946 |
| 15/0-1 | < 0.103 | 1.7 | NDR 0.364 | 1.58 | 10 | 18.7 | NDR 12.1 | 272 |
| 16/0-1 | < 0.164 | 1.66 | < 0.290 | NDR 2.69 | 20.7 | 31.1 | NDR 12.7 | 554 |
| 17/0-1 | < 0.328 | NDR 2.71 | < 0.578 | NDR 3.40 | 50.8 | 57.8 | NDR 40.7 | 930 |

Table 8: Continued.

| Sample Depth (cm) | Br7-DPE-181 | Br7-DPE-183 | Br7-DPE-190 | Br8-DPE-203 | Br8-DPE-206 | Br9-DPE-207 | Br9-DPE-208 | Br10-DPE-209 |
|---|---|---|---|---|---|---|---|---|
| 18/0-1 | < 0.108 | 0.62 | < 0.191 | 1.1 | 9.24 | NDR 12.8 | NDR 8.35 | NDR 212 |
| 19/0-1 | NDR 0.542 | 2.27 | NDR 0.240 | NDR 2.58 | 17.3 | 22.6 | 13.4 | 407 |
| 20/0-1 | < 0.267 | 3.38 | < 0.484 | NDR 4.10 | NDR 27.2 | 45.1 | 33.4 | 726 |
| 21/0-1 | < 1.25 | NDR 9.74 | < 2.27 | 16.8 | NDR 94.4 | 141 | 94 | 1990 |
| 22/0-1 | < 0.260 | NDR 3.71 | NDR 1.03 | NDR 5.62 | 27.4 | 56.5 | 46.8 | 883 |

Sediment Traps

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A1 TOP | < 1.11 | 24.7 | 1.6 | 17.6 | 123 | 119 | 84.9 | 4080 |
| A1 BOT | < 0.982 | 24.3 | 1.98 | 16.2 | 128 | 123 | 86.3 | 4450 |
| B1 TOP | < 0.463 | 2.36 | < 0.652 | 2.43 | 11.7 | 12.7 | 10.5 | 336 |
| B1 BOT | < 0.644 | K 2.13 | < 0.906 | K 1.73 | 9.09 | 15 | 8.82 | 339 |

Table 9: Results of the PAH analysis in sediment cores and traps. All measurements are reported in ng/g dry weight. NDR = peak detected but did not meet quantification criteria, result reported represents the estimated maximum possible concentration. Blank cells indicate the variable was not quantified.

| Sample Depth (cm) | Naphthalene | Acenaphthylene | Acenaphthene | Fluorene | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benz[a]anthracene | Chrysene | Benzo[b/k]fluoranthene | Benzo[e]pyrene | Benzo[a]pyrene | Perylene | Dibenz[ah]anthracene | Indeno(1,2,3-cd)pyrene | Benzo[ghi]perylene | C1-Naphthalenes | C2-Naphthalenes | C3-Naphthalenes | C4-Naphthalenes | C1-Fluorenes | C2-Fluorenes | C3-Fluorenes | C4-Fluorenes | C1-Dibenzothiophenes | C2-Dibenzothiophenes | C3-Dibenzothiophenes | C1 Phenanthrenes/Anthracenes | C2 Phenanthrenes/Anthracenes | C3-Phenanthrenes/Anthracenes | C4-Phenanthrenes/Anthracenes | C1-Fluoranthenes/Pyrenes | C2-Fluoranthenes/Pyrenes | C3-Fluoranthenes/Pyrenes | C4-Fluoranthenes/Pyrenes | Total PAH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Core 1** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 75.6 | 7.51 | 3.35 | 9.64 | 62.6 | 10.5 | 62.3 | 54.5 | 26.1 | 34.9 | 70.1 | 34 | 31.1 | 47.6 | 7.53 | 42.8 | 48.7 | 112 | 222 | 245 | 107 | 19 | 37.7 | 33.7 | 8.32 | 12.4 | 14.7 | 8.47 | 117 | 100 | 48.6 | 117 | 51.5 | 50.5 | 25 | 2.22 | 1962 |
| 14-16 | 55 | 7.94 | 2.15 | 7.35 | 54.9 | 8.54 | 50.4 | 53 500 | 21 700 | 25 500 | 71 600 | 33 50 | 31 90 | 39 40 | 7.04 | 57.1 | 61.3 | 81.8 | 156 | 226 | 123 | 17.3 | 36.1 | 34.6 | 13.3 | 11.2 | 13.1 | 6.07 | 106 | 69.9 | 47.2 | 110 | 44.7 | 44.2 | 12.7 | 4.6 | 1796 |
| 50-55 | 10.8 | 0.826 | 0.842 | 3.42 | 16 | 1.71 | 10.4 | 9 | 4.71 | 6.23 | 16.3 | 7.49 | 5.22 | 24.1 | NDR 1.84 | 12.1 | 14.6 | 23.3 | 63.5 | 80.9 | 30.4 | 6.56 | 14.9 | 10.5 | 5.02 | 3.92 | 4.17 | 2.33 | 40.5 | 31.5 | 15.3 | 35.7 | 14.8 | 15.9 | 4.27 | 1.22 | 530.6 |
| **Core 2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 70.3 | 13.9 | 7.5 | 11.7 | 79.8 | 21.2 | 107 | 108 | 50.3 | 59.4 | 108 | 48.5 | 65.4 | 45.6 | 10.4 | 44 | 49.6 | 66.7 | 94.6 | 67.2 | 32.8 | 15.8 | 25.1 | 32.1 | 13.2 | 8.74 | 14.5 | 11.9 | 78 | 54.8 | 27.5 | 96.5 | 70.4 | 49.2 | 14.7 | 5.15 | 1680 |
| 3-4 | 40.5 | 10.8 | 4.02 | 6.51 | 51.2 | 14.4 | 70.1 | 76.6 | 35.2 | 37.7 | 74 | 42.4 | 48.7 | 32.1 | 10.3 | 36.5 | 42.1 | 20.1 | 32 | 32.8 | 19.6 | 9.37 | 15.2 | 17.5 | 7.58 | 3.89 | 4.21 | 3.8 | 48.4 | 31.7 | 14.5 | 44.3 | 48 | 25.7 | 5.23 | 1.14 | 1026 |
| 14-16 | 69.1 | 41 | 14.9 | 25 | 196 | 54.6 | 316 | 326 | 154 | 157 | 268 | 133 | 186 | 124 | 25.6 | 111 | 118 | 61.8 | | | | | | | | | | | | | | | | | | | | |
| 35-40 | 40.5 | 10.8 | 4.02 | 6.51 | 51.2 | 14.4 | 70.1 | 76.6 | 35.2 | 37.7 | 74 | 42.4 | 48.7 | 32.1 | 10.3 | 36.5 | 42.1 | 20.1 | | | | | | | | | | | | | | | | | | | | |
| **Core 3** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 17.2 | 1.49 | 2.7 | 5.98 | 26.5 | 6.04 | 30.9 | 27.7 | 11.9 | 17.1 | 34.5 | 12.5 | 12.8 | 32.6 | NDR 2.76 | NDR 10.3 | 11.4 | 29 | 50.5 | 34.6 | 17.3 | 6.43 | 13.6 | 20.5 | 15.9 | 4.19 | 7.3 | 6.29 | 37.9 | 31.1 | 16.6 | 54.4 | 21.6 | 17.6 | 7.36 | 1.97 | 638.1 |
| 14-16 | 25 | 2.85 | 2.91 | 5.76 | 26.4 | 5.34 | 29 | 27.5 | 11.8 | 19.5 | 26.1 | 15.2 | 13.2 | 43.2 | NDR 4.07 | 9.47 | 12.1 | 36.2 | 60.8 | 47.6 | 24.8 | 11.7 | 21.2 | 22.9 | 8.96 | 4.88 | 8.68 | 8.48 | 40.3 | 33.6 | 18.6 | 43.9 | 22.2 | 19.1 | 6.02 | 2.04 | 718.2 |
| 40-45 | 37.3 | 6.73 | 7.31 | 10.1 | 46.2 | 10.2 | 52.2 | 48.1 | 18.6 | 25.3 | 35.8 | 21.5 | 18.7 | 37.9 | NDR 5.27 | 12.7 | 15.7 | 36.5 | 49.3 | 40.6 | 23.7 | 8.35 | 25.1 | 20 | 8.65 | 5.25 | 10.4 | 9.55 | 37.5 | 31.5 | 16.8 | 46.5 | 26.1 | 18.5 | 3.93 | 2.44 | 849.4 |
| **Core 4** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 19.5 | 2.3 | 2.55 | 5.29 | 23.9 | 5.6 | 19.5 | 16.4 | 6.9 | 10.8 | 13.4 | 6.75 | 6.54 | 26.8 | NDR 1.33 | 4.51 | 6.24 | 37.8 | 91.7 | 50.3 | 22.1 | 10.6 | 22.7 | 35.4 | 14.5 | 4.14 | 7.52 | 5.59 | 40.1 | 32.7 | 15.6 | 79.2 | 18.6 | 19 | 5.13 | 2.06 | 700.7 |
| 1-2 (Duplicate) | 14.9 | 0.945 | 2.3 | 5.05 | 22 | 5.44 | 16.8 | 14.6 | 6.59 | 13.7 | 13.5 | 5.14 | 6.86 | 25.9 | NDR 1.24 | 4.09 | 5.51 | 31.4 | 56.1 | 35.3 | 15.4 | 7.83 | 14.6 | 21.7 | 7.74 | 3.36 | 5.26 | 3.34 | 34.7 | 27.1 | 11.7 | 68.3 | 19.4 | 14.4 | 4.52 | 1.53 | 554.2 |
| 14-16 | 13.2 | 0.898 | 1.65 | 5.18 | 20.7 | 3.48 | 16.5 | 14.4 | 9.32 | 11.8 | 16.8 | 8.58 | 7.73 | 32.2 | NDR 1.63 | 4.75 | 5.96 | 34.7 | 53.3 | 47.9 | 21.2 | 9.76 | 15 | 25 | 6.38 | 3.44 | 5.09 | 3.5 | 39.2 | 28.3 | 13.7 | 46.9 | 16.7 | 17 | 5.83 | 1.65 | 575.7 |
| 30-35 | 17.2 | 1.88 | 2.11 | 5.89 | 24 | 3.99 | 22.2 | 19.2 | 7.55 | 11.4 | 17 | 10.2 | 7.95 | 61.3 | NDR 2.27 | 5.85 | 7.73 | 35.9 | 65.8 | 50.2 | 22.8 | 10.3 | 22.8 | 23.1 | 6.47 | 4.37 | 7.34 | 5.9 | 38.6 | 35.8 | 18.4 | 44.4 | 18.2 | 18.6 | 5.34 | 1.25 | 661 |
| **Core 5** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 33.6 | 1.73 | NDR 2.00 | 6 | 38.1 | 4.39 | 23.2 | 20.3 | 9.25 | 15.9 | 32.3 | 11.1 | 11.5 | 34.1 | NDR 2.14 | 9.32 | 11.6 | 62.9 | 143 | 110 | 51.1 | 18.4 | 32 | 30.1 | 9.85 | 7.32 | 8.93 | 5.46 | 77.9 | 55.4 | 23.5 | 57.1 | 26.2 | 27.4 | 9 | 2.76 | 1033 |
| 14-16 | 26.2 | 2.17 | 2.36 | 7.99 | 43.8 | 5.54 | 30.5 | 27.3 | 12.2 | 20.5 | 31.4 | 17.4 | 14.9 | 63.7 | NDR 4.07 | 13.1 | 16.4 | 77.2 | 151 | 146 | 76.1 | 23.8 | 51.7 | 45 | 11.4 | 8.25 | 11.7 | 7.68 | 81.3 | 79.7 | 32.2 | 69.5 | 33.4 | 34.2 | 8.53 | 3.64 | 1298 |
| 45-50 | 20.2 | 4.23 | NDR 1.97 | 5.77 | 37.5 | 8.92 | 31 | 36.4 | 15 | 22.8 | 37.1 | 21.7 | 19.9 | 39.4 | NDR 4.06 | 16.7 | 20.7 | 44.1 | 89.8 | 89.2 | 46.1 | 14.1 | 27.5 | 28.8 | 9.68 | 6.43 | 9.57 | 7.87 | 87 | 48.4 | 22.7 | 51.4 | 30.2 | 25.1 | 5.9 | 2.4 | 967 |
| **Core 7** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | 12.8 | 1.13 | NDR 1.09 | 4.34 | 25.8 | 4 | 19.9 | 14.6 | 6.34 | 10.8 | 14 | 6.63 | 7.3 | 26.1 | NDR 1.35 | 5.71 | 6.58 | 40.7 | 77.9 | 59.1 | 34.6 | 13.3 | 23.3 | 25.1 | 8.02 | 4.43 | 5.14 | 2.82 | 51.3 | 36.4 | 14.9 | 42.2 | 18 | 17.8 | 7.85 | 1.55 | 656.5 |
| 14-15 | 10.6 | 2.31 | NDR 0.952 | 4.56 | 28.5 | 4 | 18.5 | 21.3 | 7.75 | 11.6 | 17.6 | 8.59 | 9.7 | 52.4 | NDR 1.58 | 8.39 | 11.1 | 30.7 | 58.6 | 54.9 | 32.2 | 12.2 | 22.8 | 24.4 | 6.64 | 4.6 | 5.88 | 3.6 | 56.2 | 39.3 | 17.6 | 42.7 | 21.2 | 21.2 | 4.42 | 1.46 | 697.8 |
| 40-44 | 4.35 | <0.169 | NDR 0.593 | 3.28 | 13.3 | 0.649 | 7.75 | 2.37 | 0.78 | 3.52 | 2.23 | 1.89 | 0.616 | 17.8 | NDR 0.361 | NDR 0.584 | 1.69 | 18.2 | 46.2 | 47.3 | 25.1 | 5.84 | 15.4 | 14.8 | 3.29 | 2.92 | 2.37 | 1.5 | 35 | 27.9 | 12 | 42.9 | 9.89 | 13.2 | 2.42 | 1.17 | 546.3 |
| **Sediment Trap** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 BOT | 22 | 1.71 | 3.2 | 6.4 | 38.1 | 8.4 | 31.9 | 34.4 | 10.6 | 20.8 | 24.9 | 12 | 10.8 | 35 | NDR 2.66 | 9.61 | 12.8 | 59.1 | 92.2 | 84.8 | 35.5 | 16.3 | 30.5 | 34.9 | 10.3 | 6.13 | 8.54 | 7.47 | 81.3 | 50.3 | 24.9 | 75 | 28.2 | | | | | 936.3 |
| B1 TOP | 23.8 | 1.25 | 1.92 | 6.3 | 42.7 | 5.96 | 21.8 | 23.1 | NDR 7.26 | 15.1 | 16.2 | 8.1 | 7.51 | 30.4 | NDR 1.88 | 6.26 | 8.74 | 77.8 | 124 | 124 | 60.5 | 23.7 | 44 | 42.6 | 7.36 | 6.03 | 8.66 | 4.37 | 89.8 | 59.8 | 1.53 | 66.2 | 26.8 | | | | | 991.8 |
| B1 BOT | 24.3 | 1.42 | 2.13 | 9.07 | 46.2 | 6.78 | 20.4 | 26.9 | NDR 9.46 | 17.3 | 19.8 | 9.82 | 9.22 | 33.9 | NDR 2.19 | 7.69 | 9.7 | 50.5 | 126 | 117 | 56.8 | 23.7 | 40.5 | 37 | 7.92 | 7.27 | 7.88 | 4.2 | 87.4 | 58.3 | 26.1 | 75.2 | 30 | | | | | 1044 |

Table 10: Results of the NPEO analysis. Values reported in ng/g dry weight. < = less than the detection limit, number following this symbol represents the detection limit.

| Sample Depth (cm) | 4-Nonylphenols | 4-Nonylphenol monoethoxylates | 4-Nonylphenol diethoxylates |
|---|---|---|---|
| **Core 1** | | | |
| 1-2 | <6.05 | <25.21 | <50.82 |
| 14-16 | <7.14 | <24.25 | <55.22 |
| 50-55 | <6.48 | <30.8 | <69.68 |
| **Core 2** | | | |
| 1-2 | 131 | 403 | 292 |
| 14-16 | 153 | <35.21 | <65.35 |
| 35-40 | <3.40 | <7.219 | <27.37 |
| **Core 3** | | | |
| 1-2 | 373 | 979 | 557 |
| 14-16 | 176 | 45.7 | 57.3 |
| 40-45 | 31.4 | <5.93 | <21.7 |
| **Core 4** | | | |
| 1-2 | <4.11 | <20.6 | <45.9 |
| 14-16 | <5.35 | <13.8 | <51.7 |
| 30-35 | 51 | 39.1 | <20.4 |
| 30-35 (Duplicate) | 50.5 | 35.2 | <16.7 |
| **Core 5** | | | |
| 1-2 | <6.00 | <12.3 | <46 |
| 14-16 | 24 | <13.9 | <38.5 |
| 45-50 | 12.4 | <8.49 | <29.8 |
| **Core 7** | | | |
| 1-2 | <6.33 | <21.6 | <54.4 |
| 14-16 | <5.89 | <7.66 | <32.1 |
| 40-44 | <3.84 | <6.05 | <24.6 |

Table 11: Results of the metals and lead isotope analysis for IONA stations 8 and 15 in the depth-sectioned Smyth-Macintyre grabs.

| Sampling interval (cm down grab) | % Water | Al (%) | Fe (%) | Mg (%) | Ca (%) | Ba (µg/g) | Mn (µg/g) | AVS (µmolS/g p.e.) | Cd (ng/g) | Mo (µg/g) | U (µg/g) | Re (ng/g) | As (ng/g) | Ag (µg/g) | Co (µg/g) | Cr (µg/g) | Ni (µg/g) | Cu (µg/g) | Zn (µg/g) | Pb (µg/g) | Pb (206/207) | Pb (208/206) | Pb (208/204) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Station: IONA 8 Latitude: 48° 13' 28.8** **Replicate: 1 Longitude: 123° 17' 60.0** **Water Depth: 83 m** | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1cm | 50.340 | 7.164 | 4.308 | 1.728 | 1.997 | 577.711 | 481.426 | 1.033 | 0.405 | 1.506 | 1.827 | 3.196 | 8.303 | 0.725 | 15.462 | 91.534 | 47.979 | 43.826 | 107.249 | 13.169 | 1.210 | 0.488 | 18.954 |
| 1-2cm | 50.721 | 7.339 | 4.408 | 1.751 | 2.100 | 596.268 | 488.174 | 3.836 | 0.422 | 1.505 | 1.807 | 3.511 | 8.334 | 0.546 | 15.212 | 75.451 | 47.824 | 44.486 | 107.841 | 13.008 | 1.209 | 0.486 | 18.932 |
| 2-3cm | 44.850 | 7.082 | 4.209 | 1.685 | 1.893 | 609.516 | 475.295 | 4.324 | 0.411 | 1.426 | 1.890 | 3.157 | 7.870 | 0.451 | 15.248 | 70.000 | 47.142 | 41.186 | 102.124 | 12.392 | 1.209 | 0.489 | 18.956 |
| 3-4cm | 44.784 | 6.984 | 4.138 | 1.674 | 1.880 | 579.535 | 478.781 | 58.045 | 0.422 | 1.508 | 1.795 | 3.507 | 8.061 | 0.473 | 15.425 | 76.064 | 47.861 | 45.256 | 101.514 | 12.498 | 1.206 | 0.486 | 18.920 |
| 4-5cm | 42.428 | 6.890 | 4.006 | 1.613 | 1.912 | 566.426 | 463.313 | 5.393 | 0.401 | 1.672 | 1.718 | 3.621 | 7.837 | 0.456 | 15.124 | 65.926 | 46.226 | 38.828 | 98.725 | 12.267 | 1.210 | 0.488 | 18.940 |
| 5-6cm | 41.801 | 6.929 | 4.066 | 1.612 | 1.957 | 567.566 | 458.054 | 4.354 | 0.387 | 1.808 | 1.758 | 3.287 | 7.683 | 0.478 | 14.986 | 38.459 | 45.475 | 39.270 | 97.743 | 12.035 | 1.214 | 0.489 | 19.020 |
| 6-7cm | 36.473 | 7.001 | 4.129 | 1.674 | 1.910 | 572.715 | 488.004 | 21.040 | 0.381 | 2.203 | 1.908 | 3.629 | 7.959 | 0.558 | 15.450 | 89.332 | 48.458 | 42.164 | 101.254 | 12.579 | 1.204 | 0.487 | 19.004 |
| 7-8cm | 34.759 | 6.886 | 4.064 | 1.602 | 1.962 | 557.083 | 473.819 | 72.287 | 0.374 | 1.860 | 1.939 | 3.643 | 6.998 | 0.541 | 15.352 | 92.528 | 47.757 | 38.681 | 98.111 | 12.763 | 1.207 | 0.488 | 19.062 |
| 8-9cm | 32.050 | 7.277 | 4.319 | 1.707 | 1.995 | 603.750 | 504.125 | 2.564 | 0.369 | 1.644 | 1.809 | 3.527 | 7.694 | 0.519 | 15.428 | 96.250 | 48.466 | 44.681 | 102.708 | 14.131 | 1.194 | 0.483 | 18.708 |
| 9-10cm | 34.089 | 7.170 | 4.287 | 1.680 | 1.903 | 579.237 | 487.462 | 45.392 | 0.305 | 2.013 | 2.035 | 3.462 | 7.279 | 0.541 | 15.698 | 86.565 | 50.238 | 38.513 | 101.433 | 14.049 | 1.203 | 0.486 | 18.931 |
| **Station: IONA 8 Latitude: 48° 13' 28.8** **Replicate: 2 Longitude: 123° 17' 60.0** **Water Depth: 83 m** | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1cm | 54.297 | 7.306 | 4.402 | 1.765 | 1.955 | 589.980 | 490.195 | 2.034 | 0.431 | 1.436 | 1.757 | 3.246 | 9.681 | 0.523 | 15.489 | 87.876 | 48.523 | 31.932 | 109.894 | 14.196 | 1.208 | 0.490 | 18.994 |
| 1-2cm | 47.967 | 7.261 | 4.389 | 1.714 | 1.796 | 585.442 | 483.862 | 38.727 | 0.400 | 1.574 | 1.869 | 3.230 | 9.648 | 0.509 | 15.850 | 87.406 | 49.669 | 29.[illegible] | 108.648 | 13.617 | 1.215 | 0.490 | 18.997 |
| 2-3cm | 48.897 | 7.398 | 4.413 | 1.704 | 1.785 | 600.353 | 481.490 | 3.341 | 0.394 | 1.495 | 1.785 | 5.569 | 8.620 | 0.488 | 15.665 | 79.608 | 49.269 | 29.853 | 106.071 | 13.588 | 1.214 | 0.486 | 19.017 |
| 3-4cm | 47.214 | 7.401 | 4.419 | 1.739 | 1.831 | 596.077 | 487.725 | 5.448 | 0.364 | 1.949 | 1.927 | 3.628 | 7.895 | 0.497 | 15.757 | 78.885 | 49.908 | 28.740 | 110.237 | 14.118 | 1.215 | 0.489 | 18.959 |
| 4-5cm | 39.514 | 7.250 | 4.226 | 1.680 | 2.180 | 586.765 | 483.865 | 1.734 | 0.336 | 1.599 | 1.765 | 3.433 | 7.498 | 0.440 | 15.355 | 47.037 | 47.490 | 24.280 | 101.404 | 13.879 | 1.204 | 0.485 | 18.907 |
| 5-6cm | 37.044 | 7.200 | 4.350 | 1.679 | 1.858 | 582.969 | 488.824 | 35.273 | 0.311 | 1.788 | 2.038 | 3.531 | 7.665 | 0.489 | 16.404 | 94.705 | 51.537 | 27.029 | 103.947 | 15.610 | 1.197 | 0.485 | 18.896 |
| 6-7cm | 39.530 | 7.278 | 4.398 | 1.733 | 1.869 | 585.211 | 503.544 | 29.196 | 0.285 | 1.710 | 2.034 | 3.666 | 7.791 | 0.444 | 16.384 | 94.352 | 51.722 | 27.303 | 105.295 | 16.158 | 1.200 | 0.484 | 18.810 |
| 7-8cm | 39.712 | 7.678 | 4.626 | 1.768 | 1.823 | 619.738 | 510.199 | 3.976 | 0.271 | 1.745 | 2.163 | 3.529 | 8.025 | 0.444 | 16.354 | 62.775 | 52.464 | 29.430 | 110.060 | 17.367 | 1.198 | 0.486 | 18.793 |
| 8-9cm | 39.496 | 7.578 | 4.603 | 1.755 | 1.820 | 611.369 | 515.046 | 3.921 | 0.262 | 1.888 | 1.967 | 3.120 | 8.148 | 0.442 | 16.499 | 94.633 | 52.258 | 29.344 | 109.980 | 17.173 | 1.200 | 0.486 | 18.765 |
| 9-10cm | 40.315 | 7.629 | 4.694 | 1.769 | 1.843 | 618.333 | 520.556 | 9.984 | 0.241 | 2.215 | 2.272 | 3.927 | 8.331 | 0.456 | 17.154 | 90.227 | 55.005 | 30.281 | 113.075 | 18.673 | 1.200 | 0.486 | 18.805 |
| **Station: IONA 15 Latitude: 49° 07' 48.0** **Replicate: 1 Longitude: 123° 18' 29.4** **Water Depth: 86 m** | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1cm | 47.417 | 7.250 | 4.099 | 1.729 | 1.897 | 566.414 | 519.562 | 0.830 | 0.239 | 1.019 | 1.664 | 2.631 | 8.121 | 0.249 | 11.508 | 87.249 | 49.244 | 22.869 | 93.343 | 11.483 | 1.218 | 0.489 | 19.168 |
| 1-2cm | 47.419 | 7.226 | 4.030 | 1.731 | 1.919 | 576.586 | 516.201 | 0.598 | 0.249 | 0.966 | 1.632 | 2.741 | 7.221 | 0.243 | 11.625 | 66.289 | 48.149 | 23.361 | 96.679 | 21.854 | 1.217 | 0.492 | 19.042 |
| 2-3cm | 44.743 | 7.503 | 4.215 | 1.714 | 1.912 | 571.667 | 501.056 | 0.845 | 0.237 | 1.085 | 1.796 | 2.886 | 6.795 | 0.255 | 11.505 | 30.722 | 49.800 | 23.014 | 92.917 | 11.428 | 1.218 | 0.486 | 19.156 |
| 3-4cm | 41.960 | 7.334 | 4.044 | 1.712 | 1.944 | 580.630 | 514.970 | 1.125 | 0.234 | 0.979 | 1.711 | 2.601 | 6.408 | 0.248 | 11.920 | 65.262 | 48.704 | 22.152 | 94.898 | 11.189 | 1.220 | 0.489 | 19.197 |
| 4-5cm | 38.899 | 7.018 | 4.418 | 1.709 | 1.952 | 563.182 | 517.488 | 1.606 | 0.221 | 0.922 | 1.580 | 2.648 | 6.318 | 0.231 | 11.851 | 40.630 | 47.926 | 21.823 | 92.231 | 10.969 | 1.215 | 0.489 | 19.145 |
| 5-6cm | 38.433 | 7.136 | 4.443 | 1.722 | 1.989 | 579.627 | 517.396 | 1.425 | 0.226 | 1.012 | 1.616 | 2.922 | 6.924 | 0.251 | 11.843 | 32.667 | 48.645 | 20.575 | 95.324 | 11.321 | 1.219 | 0.488 | 19.115 |
| 6-7cm | 37.466 | 7.023 | 4.320 | 1.712 | 2.189 | 581.980 | 532.910 | 0.873 | 0.237 | 1.187 | 1.695 | 2.699 | 6.066 | 0.260 | 11.509 | 95.928 | 49.371 | 18.130 | 92.596 | 11.073 | 1.222 | 0.490 | 19.191 |
| 7-8cm | 36.182 | 7.107 | 4.379 | 1.718 | 1.954 | 601.201 | 530.098 | 1.126 | 0.244 | 1.062 | 1.601 | 2.611 | 7.556 | 0.252 | 11.911 | 79.811 | 49.796 | 22.268 | 98.703 | 11.941 | 1.217 | 0.490 | 19.028 |
| 8-9cm | 37.648 | 6.933 | 4.268 | 1.707 | 1.922 | 590.398 | 528.667 | 5.843 | 0.235 | 1.088 | 1.763 | 2.587 | 6.712 | 0.261 | 12.251 | 92.562 | 51.140 | 21.711 | 96.396 | 11.663 | 1.222 | 0.489 | 19.156 |
| 9-10cm | 33.678 | 7.111 | 4.413 | 1.703 | 1.955 | 590.360 | 530.502 | 0.758 | 0.243 | 1.036 | 1.702 | 2.996 | 7.648 | 0.267 | 12.080 | 80.076 | 51.054 | 23.373 | 95.905 | 12.096 | 1.218 | 0.488 | 19.160 |
| 10+cm | 34.616 | 7.135 | 4.418 | 1.638 | 2.162 | 572.765 | 512.935 | 3.739 | 0.231 | 1.218 | 1.652 | 3.357 | 6.875 | 0.249 | 12.011 | 34.835 | 49.223 | 21.082 | 92.153 | 11.296 | 1.223 | 0.490 | 19.126 |
| **Station: IONA 15 Latitude: 49° 07' 48.0** **Replicate: 2 Longitude: 123° 18' 29.4** **Water Depth: 86 m** | | | | | | | | | | | | | | | | | | | | | | | |
| 0-1cm | 45.581 | 7.050 | 4.374 | 1.705 | 1.939 | 577.927 | 509.549 | 0.557 | 0.246 | 0.992 | 1.685 | 2.862 | 8.222 | 0.254 | 15.494 | 32.055 | 50.743 | 21.669 | 93.604 | 11.611 | 1.224 | 0.490 | 19.097 |
| 1-2cm | 44.309 | 6.905 | 4.313 | 1.681 | 1.973 | 562.351 | 497.810 | 0.756 | 0.229 | 0.986 | 1.631 | 2.918 | 7.260 | 0.252 | 15.116 | 26.929 | 49.463 | 22.110 | 91.222 | 11.422 | 1.225 | 0.489 | 19.168 |
| 2-3cm | 42.487 | 7.011 | 4.330 | 1.736 | 1.982 | 575.339 | 520.482 | 0.947 | 0.242 | 1.046 | 1.724 | 2.795 | 7.108 | 0.258 | 15.493 | 32.699 | 50.453 | 21.892 | 92.255 | 11.431 | 1.224 | 0.489 | 19.187 |
| 3-4cm | 40.577 | 7.043 | 4.351 | 1.709 | 1.950 | 581.083 | 508.010 | 0.598 | 0.227 | 1.083 | 1.685 | 3.071 | 7.246 | 0.251 | 15.512 | 34.656 | 50.030 | 23.632 | 93.742 | 11.558 | 1.218 | 0.490 | 19.166 |
| 4-5cm | 39.403 | 7.107 | 4.440 | 1.726 | 1.968 | 587.115 | 519.300 | 0.628 | 0.230 | 0.958 | 1.595 | 2.686 | 6.865 | 0.246 | 15.135 | 95.247 | 49.339 | 22.909 | 94.832 | 11.360 | 1.222 | 0.490 | 19.170 |
| 5-6cm | 38.219 | 7.101 | 4.368 | 1.719 | 1.972 | 579.661 | 519.143 | 0.444 | 0.234 | 1.067 | 1.781 | 2.828 | 6.481 | 0.255 | 15.440 | 94.151 | 49.683 | 20.930 | 94.193 | 11.487 | 1.220 | 0.490 | 19.190 |
| 6-7cm | 36.031 | 7.059 | 4.387 | 1.702 | 1.944 | 580.292 | 512.307 | 0.737 | 0.217 | 1.011 | 1.635 | 2.709 | 7.329 | 0.243 | 15.244 | 43.375 | 49.514 | 22.811 | 93.718 | 11.719 | 1.221 | 0.488 | 19.179 |

Table 11: Continued.

| Sampling Interval (Down core depth in cm) | Mg (mg/g) | K (%) | Na (%) | Ti (ug/g) | S (ug/g) | P (ug/g) |
|---|---|---|---|---|---|---|
| **Station: IONA 8 Replicate: 1** | | | | | | |
| 0-1cm | 77.245 | 1.644 | 2.714 | 4254.960 | 2771.888 | 827.139 |
| 1-2cm | 84.148 | 1.682 | 2.782 | 4190.781 | 2886.232 | 874.125 |
| 2-3cm | 74.522 | 1.581 | 2.612 | 4226.860 | 2700.969 | 828.266 |
| 3-4cm | 236.898 | 1.566 | 2.569 | 4191.671 | 2642.636 | 781.260 |
| 4-5cm | 549.222 | 1.501 | 2.525 | 3975.467 | 2605.859 | 784.041 |
| 5-6cm | 70.403 | 1.500 | 2.503 | 3922.541 | 2577.027 | 766.203 |
| 6-7cm | 68.434 | 1.558 | 2.420 | 4201.060 | 2758.984 | 788.676 |
| 7-8cm | 155.380 | 1.508 | 2.308 | 4200.250 | 2463.889 | 737.569 |
| 8-9cm | 64.289 | 1.615 | 2.374 | 4453.563 | 2500.000 | 806.194 |
| 9-10cm | 76.715 | 1.573 | 2.365 | 4292.870 | 2479.389 | 773.660 |
| **Station: IONA 8 Replicate: 1** | | | | | | |
| 0-1cm | 46.126 | 1.668 | 2.899 | 4315.653 | 2841.833 | 811.661 |
| 1-2cm | 84.970 | 1.654 | 2.548 | 4267.348 | 2892.885 | 751.167 |
| 2-3cm | 597.828 | 1.674 | 2.727 | 4292.318 | 2868.627 | 755.359 |
| 3-4cm | 82.694 | 1.688 | 2.654 | 4283.235 | 2957.500 | 732.213 |
| 4-5cm | 98.758 | 1.605 | 2.565 | 4138.784 | 2526.863 | 699.616 |
| 5-6cm | 98.151 | 1.611 | 2.442 | 4273.336 | 2428.125 | 702.625 |
| 6-7cm | 101.758 | 1.672 | 2.415 | 4360.960 | 2354.789 | 719.243 |
| 7-8cm | 97.428 | 1.748 | 2.436 | 4099.442 | 2423.293 | 721.452 |
| 8-9cm | 102.903 | 1.718 | 2.414 | 4233.137 | 2608.365 | 743.624 |
| 9-10cm | 85.212 | 1.775 | 2.379 | 4438.380 | 2796.057 | 754.401 |
| **Station: IONA 18 Replicate: 1** | | | | | | |
| 0-1cm | 37.674 | 1.581 | 2.567 | 4289.926 | 1512.948 | 803.299 |
| 1-2cm | 52.939 | 1.600 | 2.623 | 4181.910 | 1557.430 | 773.837 |
| 2-3cm | 60.707 | 1.586 | 2.515 | 4231.486 | 1550.000 | 722.306 |
| 3-4cm | 55.833 | 1.600 | 2.472 | 4330.795 | 1525.203 | 718.197 |
| 4-5cm | 59.066 | 1.563 | 2.370 | 4048.449 | 1405.684 | 689.472 |
| 5-6cm | 55.357 | 1.605 | 2.362 | 4201.551 | 1420.588 | 718.873 |
| 6-7cm | 53.197 | 1.571 | 2.412 | 4587.842 | 1430.809 | 665.826 |
| 7-8cm | 53.973 | 1.626 | 2.356 | 4219.774 | 1493.701 | 705.667 |
| 8-9cm | 50.194 | 1.623 | 2.332 | 4396.335 | 1572.908 | 715.422 |
| 9-10cm | 59.280 | 1.610 | 2.246 | 4461.294 | 1431.818 | 748.496 |
| 10+cm | 53.761 | 1.529 | 2.235 | 4396.096 | 1454.902 | 710.088 |
| **Station: IONA 18 Replicate: 2** | | | | | | |
| 0-1cm | 81.473 | 1.566 | 2.548 | 4332.673 | 1424.187 | 783.431 |
| 1-2cm | 41.403 | 1.529 | 2.443 | 4204.009 | 1415.572 | 750.280 |
| 2-3cm | 56.282 | 1.599 | 2.460 | 4345.898 | 1531.076 | 743.088 |
| 3-4cm | 69.299 | 1.578 | 2.368 | 4235.799 | 1489.567 | 757.130 |
| 4-5cm | 69.571 | 1.573 | 2.420 | 4417.069 | 1455.336 | 758.020 |
| 5-6cm | 76.789 | 1.607 | 2.399 | 4452.683 | 1556.175 | 714.167 |
| 6-7cm | 93.492 | 1.592 | 2.302 | 3949.403 | 1522.568 | 712.693 |

Table 12: Results of the benthic taxonomic analysis performed on the depth-sectioned grabs taken at station IONA 8 and IONA 15. All coding is as per the system employed by Biological Environmental Services

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| **Station IONA 8** | **Replicate 1** | | | | | | | |
| CNHY | 0090 | 0019 | *Campanulana groenlandica* | 1 | | | 1 | 0-1 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 0-1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 72 | 1 | | 73 | 0-1 |
| MOBI | 0472 | 0160 | *Compsomyax subdiaphana* | | | 2 | 2 | 0-1 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | | 1 | | 1 | 0-1 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 2 | 2 | 0-1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 111 | 75 | 186 | 0-1 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | | 1 | 0-1 |
| MOBI | 0456 | 0570 | *Macoma sp.* | | | 1 | 1 | 0-1 |
| MOBI | 0472 | 0747 | *Nutricola sp.* | 1 | 12 | | 13 | 0-1 |
| MOBI | 0418 | 0760 | *Pandora bilirata* | 1 | | | 1 | 0-1 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | | 1 | | 1 | 0-1 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 0-1 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 2 | | | 2 | 0-1 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | | 1 | | 1 | 0-1 |
| MOGA | 0606 | 0680 | *Odostomia sp.* | | 1 | | 1 | 0-1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 0-1 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | | 1 | | 1 | 0-1 |
| POER | 0214 | 0320 | *Eteone spilotus* | 1 | | | 1 | 0-1 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 0-1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 3 | | | 3 | 0-1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 0-1 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 3 | 1 | | 4 | 0-1 |
| POSE | 0248 | 0450 | *Capitella capitata complex* | 4 | | | 4 | 0-1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 3 | | | 3 | 0-1 |
| POSE | 0270 | 1140 | *Ophelina acuminata* | 2 | | | 2 | 0-1 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | | 1 | | 1 | 0-1 |
| ECOP | 1074 | 0070 | *Ophiura sp.* | | | 1 | 1 | 1-2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 24 | 1 | | 25 | 1-2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 45 | 34 | 79 | 1-2 |
| MOBI | 0472 | 0747 | *Nutricola sp.* | 4 | | | 4 | 1-2 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 1-2 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | | 1 | 1 | 1-2 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 4 | | | 4 | 1-2 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | 1 | | | 1 | 1-2 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 1-2 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 1-2 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 1-2 |
| POSE | 0248 | 0683 | *Decamastus nr. gracilis* | | 1 | | 1 | 1-2 |
| POSE | 0270 | 1140 | *Ophelina acuminata* | 1 | | | 1 | 1-2 |
| CNHY | 0090 | 0019 | *Campanulana groenlandica* | 1 | | | 1 | 2-3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 20 | 2 | | 22 | 2-3 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 2 | 2 | 2-3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 2 | 45 | 11 | 58 | 2-3 |
| MOBI | 0472 | 0747 | *Nutricola sp.* | 2 | 2 | | 4 | 2-3 |
| MOBI | 0418 | 0760 | *Pandora bilirata* | | 1 | | 1 | 2-3 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | | 1 | | 1 | 2-3 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 3 | | | 3 | 2-3 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 2-3 |
| NTEA | 0000 | 0001 | Nemertea indet. | | | 1 | 1 | 2-3 |
| POER | 0214 | 0360 | *Eumida longicornuta* | 1 | | | 1 | 2-3 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 2-3 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 2-3 |
| POER | 0224 | 0890 | *Pholoe minuta* | 1 | | | 1 | 2-3 |
| POSE | 0242 | 0051 | *Ampharete nr. finmarchica* | 2 | | | 2 | 2-3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 1 | | | 1 | 2-3 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 8 | Replicate 1 | | | | | | | |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 11 | | | 11 | 3-4 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 3 | 3 | 3-4 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 47 | 8 | 55 | 3-4 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 4 | | 4 | 3-4 |
| MOGA | 0528 | 0250 | *Cylichna alfonsa* | | 1 | | 1 | 3-4 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 3-4 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 3-4 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 3-4 |
| POSE | 0280 | 1250 | *Pectinaria granulata* | 1 | | | 1 | 3-4 |
| POSE | 0314 | 1420 | *Pista wui* | | 1 | | 1 | 3-4 |
| CNHY | 0090 | 0019 | *Campanulana groenlandica* | 1 | | | 1 | 4-5 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 8 | | | 8 | 4-5 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | | 3 | | 3 | 4-5 |
| MOBI | 0392 | 0280 | *Lucinoma annulatum* | | | 1 | 1 | 4-5 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 2 | 2 | 4-5 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 1 | 39 | 3 | 43 | 4-5 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | 3 | | 4 | 4-5 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | 2 | | | 2 | 4-5 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 2 | | | 2 | 4-5 |
| MOGA | 0528 | 0250 | *Cylichna alfonsa* | 1 | | | 1 | 4-5 |
| POER | 0180 | 0500 | *Glycera nana* | | 1 | | 1 | 4-5 |
| POER | 0204 | 0760 | *Nereis procera* | 1 | | | 1 | 4-5 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 4-5 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 1 | | | 1 | 4-5 |
| CNHY | 0090 | 0019 | *Campanulana groenlandica* | 1 | 1 | | 2 | 5-6 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 3 | | | 3 | 5-6 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 1 | | | 1 | 5-6 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 2 | 2 | 5-6 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 9 | 21 | 2 | 32 | 5-6 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | 1 | | 2 | 5-6 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | 1 | | 1 | 5-6 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 1 | | | 1 | 5-6 |
| MOGA | 0606 | 0820 | *Turbonilla* sp. | 1 | | | 1 | 5-6 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | | | 1 | 5-6 |
| CNHY | 0090 | 0019 | *Campanulana groenlandica* | 2 | | | 2 | 6-bot |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 1 | | | 1 | 6-bot |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 33 | | | 33 | 6-bot |
| MOBI | 0472 | 0160 | *Compsomyax subdiaphana* | | | 1 | 1 | 6-bot |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 1 | | | 1 | 6-bot |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 6 | 95 | 23 | 124 | 6-bot |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 4 | 1 | 5 | 6-bot |
| MOBI | 0456 | 0550 | *Macoma nasuta* | | 1 | | 1 | 6-bot |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 4 | 16 | | 20 | 6-bot |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | 2 | | | 2 | 6-bot |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 6-bot |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 2 | | 3 | 6-bot |
| MOGA | 0610 | 0041 | *Alvania compacta* | 6 | | | 6 | 6-bot |
| MOGA | 0516 | 0090 | *Astyris gausapata* | | 3 | | 3 | 6-bot |
| POER | 0180 | 0500 | *Glycera nana* | 14 | 5 | | 19 | 6-bot |
| POER | 0182 | 0530 | *Glycinde armigera* | 5 | | | 5 | 6-bot |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 2 | 1 | | 3 | 6-bot |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 6-bot |
| POER | 0204 | 0760 | *Nereis procera* | 2 | | | 2 | 6-bot |
| POER | 0214 | 0940 | *Phyllodoce groenlandica* | 1 | | | 1 | 6-bot |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | | | 1 | 6-bot |
| POER | 0198 | 1040 | *Scoletoma luti* | 3 | | | 3 | 6-bot |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 6-bot |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 8 | Replicate 1 | | | | | | | |
| POSE | 0252 | 0122 | *Aphelochaeta* sp. 2 | 5 | | | 5 | 6-bot |
| POSE | 0252 | 0125 | *Aphelochaeta* sp. N-1 | 1 | | | 1 | 6-bot |
| POSE | 0276 | 0180 | *Aricidea lopezi* | 1 | | | 1 | 6-bot |
| POSE | 0248 | 0450 | *Capitella capitata* complex | 1 | | | 1 | 6-bot |
| POSE | 0254 | 0660 | *Cossura pygodactylata* | 1 | | | 1 | 6-bot |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 11 | | | 11 | 6-bot |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 1 | | | 1 | 6-bot |
| POSE | 0266 | 0713 | *Euclymene* nr. *zonalis* | 2 | | | 2 | 6-bot |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 1 | | | 1 | 6-bot |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 13 | | | 13 | 6-bot |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | | | 1 | 6-bot |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 6 | 1 | | 7 | 6-bot |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 1 | | | 1 | 6-bot |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 1 | | | 1 | 6-bot |
| | | | | | | | | |
| Station IONA 8 | Replicate 2 | | | | | | | |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 4 | | | 4 | 0-1 |
| MOBI | 0414 | 0020 | *Acila castrensis* | | 1 | 1 | 2 | 0-1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 52 | 1 | | 53 | 0-1 |
| MOBI | 0472 | 0160 | *Compsomyax subdiaphana* | | | 3 | 3 | 0-1 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | | 1 | | 1 | 0-1 |
| MOBI | 0392 | 0280 | *Lucinoma annulatum* | | | 2 | 2 | 0-1 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 3 | 3 | 0-1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 32 | 11 | 43 | 0-1 |
| MOBI | 0412 | 0700 | *Nuculana hamata* | | 1 | | 1 | 0-1 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 4 | 33 | | 37 | 0-1 |
| MOBI | 0418 | 0760 | *Pandora bilirata* | 1 | | | 1 | 0-1 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | | 2 | | 2 | 0-1 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | 3 | 6 | | 9 | 0-1 |
| MOGA | 0544 | 0385 | *Eulima* sp. | 1 | | | 1 | 0-1 |
| MOGA | 0606 | 0680 | *Odostomia* sp. | | 1 | | 1 | 0-1 |
| MOGA | 0606 | 0820 | *Turbonilla* sp. | 2 | | | 2 | 0-1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 0-1 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 0-1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 0-1 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 0-1 |
| POSE | 0280 | 1250 | *Pectinana granulata* | | 1 | | 1 | 0-1 |
| POSE | 0310 | 1640 | *Prionospio (Prionospio) steensi* | 1 | | | 1 | 0-1 |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 1 | | | 1 | 1-2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 14 | 2 | | 16 | 1-2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 14 | 2 | | 16 | 1-2 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 4 | | 4 | 1-2 |
| MOBI | 0478 | 0585 | *Megayoldia martyria* | | | 1 | 1 | 1-2 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | 2 | | 3 | 1-2 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 2 | | | 2 | 1-2 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 2 | | | 2 | 1-2 |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 3 | | | 3 | 2-3 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 2-3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 10 | | | 10 | 2-3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 2 | 9 | 1 | 12 | 2-3 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | | 1 | 2-3 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | 2 | | 3 | 2-3 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 2-3 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | | 1 | | 1 | 2-3 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 1 | 1 | | 2 | 3-4 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 9 | | | 9 | 3-4 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station iONA 8 | Replicate 2 | | | | | | | |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 5 | 9 | 1 | 15 | 3-4 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | | 1 | 3-4 |
| MOBI | 0478 | 0585 | *Megayoldia martyna* | | | 1 | 1 | 3-4 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 3 | | 3 | 3-4 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | 1 | | | 1 | 3-4 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | | | 1 | 3-4 |
| MOGA | 0512 | 0150 | *Bittium munitum* | 1 | | | 1 | 3-4 |
| NTEA | 0000 | 0001 | Nemertea indet. | | | 1 | 1 | 3-4 |
| POER | 0180 | 0500 | *Glycera nana* | 5 | 1 | | 6 | 3-4 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 3-4 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 3-4 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 3-4 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 1 | | | 1 | 3-4 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 1 | | | 1 | 3-4 |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 1 | 1 | | 2 | 3-4 |
| ECHO | 1098 | 0150 | *Pentamera pseudocalcigera* | 1 | | | 1 | 4-5 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 6 | 1 | | 7 | 4-5 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 1 | 6 | | 7 | 4-5 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | | | 1 | 4-5 |
| MOGA | 0606 | 0820 | *Turbonilla* sp. | 1 | | | 1 | 4-5 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 4-5 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 4-5 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 4-5 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 4-5 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | 1 | | | 1 | 4-5 |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 1 | | | 1 | 5-6 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 4 | | | 4 | 5-6 |
| MOBI | 0392 | 0280 | *Lucinoma annulatum* | | | 1 | 1 | 5-6 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 2 | 1 | 3 | 5-6 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | | | 1 | 5-6 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 5-6 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 1 | | | 1 | 5-6 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | | | 1 | 5-6 |
| POSE | 0248 | 0950 | *Mediomastus* spp. | | 1 | | 1 | 5-6 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | | | 1 | 5-6 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 1 | | | 1 | 6-7 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 1 | | 1 | 6-7 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | | 1 | 6-7 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | 1 | | | 1 | 6-7 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | | | 1 | 1 | 6-7 |
| POER | 0180 | 0500 | *Glycera nana* | 2 | | | 2 | 6-7 |
| POER | 0198 | 1040 | *Scoletoma luti* | 3 | | | 3 | 6-7 |
| POSE | 0266 | 0713 | *Euclymene* nr. *zonalis* | 2 | | | 2 | 6-7 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 2 | | | 2 | 7-8 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | | 1 | | 1 | 7-8 |
| POER | 0180 | 0500 | *Glycera nana* | 5 | | | 5 | 7-8 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 7-8 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 7-8 |
| POSE | 0248 | 0450 | *Capitella capitata* complex | | 1 | | 1 | 7-8 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 8 | | | 8 | 7-8 |
| POSE | 0266 | 0713 | *Euclymene* nr. *zonalis* | 1 | | | 1 | 7-8 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 2 | | | 2 | 7-8 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 2 | | | 2 | 7-8 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | 1 | | | 1 | 7-8 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | | | 1 | 7-8 |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 4 | | | 4 | 8-bot |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 90 | 2 | | 92 | 8-bot |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 8 | Replicate 2 | | | | | | | |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | | 1 | | 1 | 8-bot |
| MOBI | 0392 | 0280 | *Lucinoma annulatum* | | | 1 | 1 | 8-bot |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 2 | 2 | 8-bot |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 2 | 47 | 9 | 58 | 8-bot |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 3 | 3 | 6 | 8-bot |
| MOBI | 0472 | 0747 | *Nutricola sp.* | 5 | 22 | | 27 | 8-bot |
| MOBI | 0418 | 0760 | *Pandora bilirata* | | 1 | | 1 | 8-bot |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | 1 | | | 1 | 8-bot |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | 1 | 1 | 2 | 8-bot |
| MOGA | 0516 | 0090 | *Astyris gausapata* | | 3 | | 3 | 8-bot |
| MOGA | 0512 | 0150 | *Bittium munitum* | 2 | | | 2 | 8-bot |
| MOGA | 0606 | 0680 | *Odostomia sp.* | | 1 | | 1 | 8-bot |
| MOGA | 0606 | 0820 | *Turbonilla sp.* | 1 | | | 1 | 8-bot |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 2 | | | 2 | 8-bot |
| POER | 0214 | 0300 | *Eteone longa complex* | 1 | | | 1 | 8-bot |
| POER | 0180 | 0500 | *Glycera nana* | 6 | | | 6 | 8-bot |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 8-bot |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 2 | | | 2 | 8-bot |
| POER | 0204 | 0760 | *Nereis procera* | 2 | | | 2 | 8-bot |
| POER | 0198 | 0780 | *Ninoe gemmea* | 1 | | | 1 | 8-bot |
| POER | 0224 | 0890 | *Pholoe minuta* | 1 | | | 1 | 8-bot |
| POER | 0224 | 0895 | *Pholoe sp. N-1* | 1 | | | 1 | 8-bot |
| POER | 0198 | 1040 | *Scoletoma luti* | 2 | | | 2 | 8-bot |
| POSE | 0252 | 0122 | *Aphelochaeta sp. 2* | 2 | | | 2 | 8-bot |
| POSE | 0248 | 0383 | *Barantolla nr. americana* | 3 | | | 3 | 8-bot |
| POSE | 0248 | 0450 | *Capitella capitata complex* | 1 | | | 1 | 8-bot |
| POSE | 0248 | 0680 | *Decamastus gracilis* | 15 | | | 15 | 8-bot |
| POSE | 0266 | 0713 | *Euclymene nr. zonalis* | 3 | | | 3 | 8-bot |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 13 | 2 | | 15 | 8-bot |
| POSE | 0248 | 0950 | *Mediomastus spp.* | 3 | | | 3 | 8-bot |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | 1 | | | 1 | 8-bot |
| POSE | 0280 | 1250 | *Pectinaria granulata* | 1 | | | 1 | 8-bot |
| POSE | 0314 | 1420 | *Pista wui* | 1 | | | 1 | 8-bot |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 5 | | | 5 | 8-bot |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 3 | | | 3 | 8-bot |
| POSE | 0310 | 1640 | *Prionospio (Prionospio) steensi* | 1 | | | 1 | 8-bot |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 1 | | | 1 | 8-bot |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 2 | | | 2 | 8-bot |
| | | | | | | | | |
| Station IONA 15 | Replicate 1 | | | | | | | |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 6 | | | 6 | 0-1 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 1 | | 2 | 0-1 |
| CRCU | 0700 | 0055 | *Diastylis alaskensis* | 1 | | | 1 | 0-1 |
| CRCU | 0704 | 0125 | *Eudorellopsis integra* | 1 | | | 1 | 0-1 |
| CROS | 0682 | 0055 | *Euphilomedes carcharodonta* | 1 | | | 1 | 0-1 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 11 | | | 11 | 0-1 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | | 1 | | 1 | 0-1 |
| ECOP | 0000 | 0001 | Ophiuroidea indet. | | | 1 | 1 | 0-1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 69 | 47 | | 116 | 0-1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 64 | 32 | 96 | 0-1 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | | 4 | 4 | 0-1 |
| MOBI | 0472 | 0747 | *Nutricola sp.* | 2 | 12 | | 14 | 0-1 |
| MOBI | 0418 | 0760 | *Pandora bilirata* | 1 | | | 1 | 0-1 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | 1 | | 1 | 0-1 |
| MOGA | 0528 | 0245 | *Cylichna alba* | | 2 | | 2 | 0-1 |
| MOGA | 0606 | 0680 | *Odostomia sp.* | 1 | | | 1 | 0-1 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 1 | | | | | | | |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 4 | 1 | | 5 | 0-1 |
| NTEA | 0000 | 0001 | Nemertea indet. | | | 9 | 9 | 0-1 |
| NTEA | 0154 | 0260 | *Tetrastemma* sp. | | | 1 | 1 | 0-1 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | | 1 | | 1 | 0-1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 2 | | | 2 | 0-1 |
| POER | 0224 | 0900 | *Pholoe* spp. | 1 | | | 1 | 0-1 |
| POER | 0214 | 0940 | *Phyllodoce groenlandica* | | 1 | | 1 | 0-1 |
| POER | 0214 | 0960 | *Phyllodoce* spp. | | | 1 | 1 | 0-1 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 4 | | | 4 | 0-1 |
| POSE | 0260 | 0430 | *Brada* spp. | | 2 | | 2 | 0-1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 11 | | | 11 | 0-1 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | | 1 | | 1 | 0-1 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | | 1 | | 1 | 0-1 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 6 | | | 6 | 1-2 |
| ECHO | 1098 | 0150 | *Pentamera pseudocalcigera* | | | 1 | 1 | 1-2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 35 | 21 | | 56 | 1-2 |
| MOBI | 0000 | 0001 | Bivalvia indet. | 1 | | | 1 | 1-2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 34 | 5 | 39 | 1-2 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | | 1 | 1 | 1-2 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 1 | | 1 | 1-2 |
| MOBI | 0478 | 1015 | *Yoldia hyperborea* | | 1 | | 1 | 1-2 |
| MOGA | 0606 | 0680 | *Odostomia* sp. | | 1 | | 1 | 1-2 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 3 | 1 | | 4 | 1-2 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | | | 1 | 1 | 1-2 |
| POER | 0228 | 0460 | *Exogone molesta* | 1 | | | 1 | 1-2 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 1-2 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 4 | | | 4 | 1-2 |
| POER | 0226 | 1080 | *Sphaerodoropsis sphaerulifer* | 1 | | | 1 | 1-2 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 2 | 2 | | 4 | 1-2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 12 | | | 12 | 1-2 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | 1 | 1 | | 2 | 1-2 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | | 1 | | 1 | 1-2 |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | | | 1 | 1 | 1-2 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 2-3 |
| CRCU | 0704 | 0100 | *Eudorella pacifica* | 1 | | | 1 | 2-3 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 2 | | | 2 | 2-3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 15 | 9 | | 24 | 2-3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 35 | 7 | 42 | 2-3 |
| MOBI | 0456 | 0570 | *Macoma* sp. | | | 2 | 2 | 2-3 |
| NTEA | 0000 | 0001 | Nemertea indet. | | | 1 | 1 | 2-3 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 2-3 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 2-3 |
| POSE | 0260 | 0420 | *Brada sachalina* | 1 | | | 1 | 2-3 |
| POSE | 0260 | 0430 | *Brada* spp. | | 1 | | 1 | 2-3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 4 | | | 4 | 2-3 |
| POSE | 0248 | 0950 | *Mediomastus* spp. | 1 | | | 1 | 2-3 |
| POSE | 0280 | 1250 | *Pectinaria granulata* | 1 | | | 1 | 2-3 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | | | 1 | 2-3 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 1 | | 2 | 3-4 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 3 | | | 3 | 3-4 |
| CRAM | 0832 | 1620 | *Westwoodilla caecula* | 1 | | | 1 | 3-4 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 1 | | | 1 | 3-4 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | | | 1 | 3-4 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 7 | 10 | | 17 | 3-4 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 24 | 2 | 26 | 3-4 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | | 1 | 1 | 3-4 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 1 | | | | | | | |
| NTEA | 0000 | 0004 | Anopla sp. C (SCAMIT) | 1 | | | 1 | 3-4 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | | 1 | | 1 | 3-4 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 3-4 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 2 | | | 2 | 3-4 |
| POER | 0224 | 0895 | *Pholoe* sp. N-1 | 1 | 1 | | 2 | 3-4 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 3-4 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | 2 | | 3 | 3-4 |
| POSE | 0260 | 0420 | *Brada sachalina* | 1 | | | 1 | 3-4 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 7 | | | 7 | 3-4 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | | | 1 | 3-4 |
| POSE | 0312 | 1860 | *Sternaspis* nr. *fossor* | | 1 | | 1 | 3-4 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 1 | | 2 | 4-5 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 4-5 |
| CRTA | 0708 | 0015 | *Araphura breviana* | 1 | | | 1 | 4-5 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 2 | 1 | | 3 | 4-5 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | | 4 | | 4 | 4-5 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 1 | 1 | | 2 | 4-5 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 28 | 3 | 31 | 4-5 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | 1 | 2 | 4-5 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 4-5 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | 1 | | 1 | 4-5 |
| POER | 0182 | 0530 | *Glycinde armigera* | | 1 | | 1 | 4-5 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 4-5 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 4-5 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 1 | | | 1 | 4-5 |
| POSE | 0312 | 1860 | *Sternaspis* nr. *fossor* | | 2 | | 2 | 4-5 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 5-6 |
| CRTA | 0708 | 0015 | *Araphura breviana* | 1 | | | 1 | 5-6 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 1 | | | 1 | 5-6 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | | 1 | | 1 | 5-6 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 1 | 2 | | 3 | 5-6 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 1 | 19 | 1 | 21 | 5-6 |
| MOBI | 0456 | 0570 | *Macoma* sp. | | | 2 | 2 | 5-6 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | | 1 | | 1 | 5-6 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | 3 | | 3 | 5-6 |
| POER | 0214 | 0300 | *Eteone longa* complex | 1 | | | 1 | 5-6 |
| POER | 0224 | 0895 | *Pholoe* sp. N-1 | | 1 | | 1 | 5-6 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 4 | | | 4 | 5-6 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 1 | | | 1 | 5-6 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | | | 1 | 5-6 |
| POSE | 0314 | 1420 | *Pista wui* | 1 | | | 1 | 5-6 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | | | 1 | 5-6 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 2 | | | 2 | 5-6 |
| POSE | 0312 | 1860 | *Sternaspis* nr. *fossor* | | 2 | | 2 | 5-6 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | | | 1 | 5-6 |
| CNHY | 0090 | 0019 | *Campanulana groenlandica* | 2 | | | 2 | 6-7 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 2 | | | 2 | 6-7 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | | 2 | | 2 | 6-7 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 1 | | | 1 | 6-7 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 17 | | 17 | 6-7 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | 1 | 2 | 6-7 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 1 | | 2 | 6-7 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 2 | | | 2 | 6-7 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 6-7 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 6-7 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 1 | | | 1 | 6-7 |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 1 | | | 1 | 6-7 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 1 | | | | | | | |
| POSE | 0248 | 0950 | *Mediomastus* spp. | | 1 | | 1 | 6-7 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | 1 | | | 1 | 6-7 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | 1 | | 2 | 6-7 |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 1 | 1 | | 2 | 6-7 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 3 | | | 3 | 7-8 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 1 | 1 | | 2 | 7-8 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 1 | | | 1 | 7-8 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 4 | 4 | | 8 | 7-8 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 3 | 1 | 4 | 7-8 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 1 | | 1 | 7-8 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | | 1 | | 1 | 7-8 |
| POER | 0180 | 0500 | *Glycera nana* | 6 | | | 6 | 7-8 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 7-8 |
| POER | 0224 | 0895 | *Pholoe* sp. N-1 | 1 | | | 1 | 7-8 |
| POER | 0198 | 1040 | *Scoletoma luti* | 3 | | | 3 | 7-8 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 1 | 1 | | 2 | 7-8 |
| POSE | 0266 | 0713 | *Euclymene* nr. *zonalis* | 1 | | | 1 | 7-8 |
| POSE | 0266 | 0710 | Euclymeninae indet. | 1 | | | 1 | 7-8 |
| POSE | 0310 | 0800 | *Laonice cirrata* | 1 | | | 1 | 7-8 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | | | 1 | 7-8 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | 1 | | | 1 | 7-8 |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 1 | | | 1 | 7-8 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | | 1 | | 1 | 8-9 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 5 | 2 | | 7 | 8-9 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | 1 | 2 | 8-9 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 1 | | | 1 | 8-9 |
| POER | 0214 | 0320 | *Eteone spilotus* | 1 | | | 1 | 8-9 |
| POER | 0180 | 0500 | *Glycera nana* | 6 | | | 6 | 8-9 |
| POER | 0182 | 0530 | *Glycinde armigera* | 2 | | | 2 | 8-9 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 2 | | | 2 | 8-9 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 12 | 2 | | 14 | 8-9 |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 1 | | | 1 | 8-9 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | | | 1 | 8-9 |
| POSE | 0248 | 0950 | *Mediomastus* spp. | | 1 | | 1 | 8-9 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | | | 1 | 8-9 |
| POSE | 0272 | 1747 | *Scoloplos* nr. *acmeceps* | 1 | | | 1 | 8-9 |
| POER | 0214 | 0300 | *Eteone longa* complex | 1 | | | 1 | 9-10 |
| POER | 0180 | 0500 | *Glycera nana* | 5 | | | 5 | 9-10 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 9-10 |
| POSE | 0248 | 0383 | *Barantolla* nr. *americana* | 1 | | | 1 | 9-10 |
| POSE | 0248 | 0680 | *Decamastus gracilis* | 12 | | | 12 | 9-10 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | | 1 | | 1 | 9-10 |
| POSE | 0272 | 0820 | *Leitoscoloplos pugettensis* | 1 | | | 1 | 9-10 |
| POSE | 0266 | 1540 | *Praxillella gracilis* | 2 | | | 2 | 9-10 |
| POSE | 0266 | 1550 | *Praxillella pacifica* | 1 | | | 1 | 9-10 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | | | 1 | 9-10 |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 1 | | | 1 | 9-10 |
| ANOL | 1136 | 1136 | Tubificidae indet. | 1 | | | 1 | 10-bot |
| CNHY | 0090 | 0019 | *Campanularia groenlandica* | 3 | | | 3 | 10-bot |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | | 1 | | 1 | 10-bot |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 2 | | | 2 | 10-bot |
| CRDE | 0932 | 0230 | *Pinnixa occidentalis* | 1 | 4 | | 5 | 10-bot |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 9 | | | 9 | 10-bot |
| CRTA | 0708 | 0015 | *Araphura breviana* | 1 | | | 1 | 10-bot |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 1 | 3 | | 4 | 10-bot |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | | 1 | | 1 | 10-bot |
| MOBI | 0414 | 0020 | *Acila castrensis* | | 1 | | 1 | 10-bot |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 1 | | | | | | | |
| MOBI | 0462 | 0040 | *Adontorhina cyclia* | 1 | | | 1 | 10-bot |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 69 | 43 | | 112 | 10-bot |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 8 | 88 | 24 | 120 | 10-bot |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 4 | 5 | 9 | 10-bot |
| MOBI | 0478 | 0585 | *Megayoldia martyna* | | 2 | 1 | 3 | 10-bot |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 5 | | 5 | 10-bot |
| MOBI | 0418 | 0760 | *Pandora bilirata* | 3 | | | 3 | 10-bot |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | | 1 | | 1 | 10-bot |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 3 | | 4 | 10-bot |
| MOGA | 0512 | 0150 | *Bittium munitum* | 1 | 2 | | 3 | 10-bot |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 1 | | | 1 | 10-bot |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 3 | | | 3 | 10-bot |
| NTEA | 0000 | 0001 | Nemertea indet. | | | 14 | 14 | 10-bot |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 1 | | | 1 | 10-bot |
| POER | 0198 | 0280 | *Eranno bicirrata* | 1 | | | 1 | 10-bot |
| POER | 0214 | 0300 | *Eteone longa* complex | 1 | | | 1 | 10-bot |
| POER | 0180 | 0500 | *Glycera nana* | 4 | | | 4 | 10-bot |
| POER | 0182 | 0530 | *Glycinde armigera* | | | 1 | 1 | 10-bot |
| POER | 0182 | 0575 | *Goniada brunnea* | 1 | | | 1 | 10-bot |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | 1 | | 2 | 10-bot |
| POER | 0220 | 0665 | *Malmgreniella bansei* | 2 | | | 2 | 10-bot |
| POER | 0198 | 0780 | *Ninoe gemmea* | 1 | | | 1 | 10-bot |
| POER | 0208 | 0830 | *Onuphis iridescens* | 2 | | | 2 | 10-bot |
| POER | 0224 | 0900 | *Pholoe* spp. | | 1 | | 1 | 10-bot |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 10-bot |
| POER | 0220 | 1200 | *Tenonia priops* | 1 | | | 1 | 10-bot |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 3 | | | 3 | 10-bot |
| POSE | 0314 | 0340 | *Artacama coniferi* | 1 | | | 1 | 10-bot |
| POSE | 0248 | 0383 | *Barantolla* nr. *americana* | 1 | | | 1 | 10-bot |
| POSE | 0248 | 0680 | *Decamastus gracilis* | 18 | | | 18 | 10-bot |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 3 | | | 3 | 10-bot |
| POSE | 0266 | 0710 | Euclymeninae indet. | 1 | | | 1 | 10-bot |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 7 | | | 7 | 10-bot |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 5 | | | 5 | 10-bot |
| POSE | 0266 | 0920 | *Maldane sarsi* | 1 | | | 1 | 10-bot |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | | 1 | | 1 | 10-bot |
| POSE | 0266 | 1550 | *Praxillella pacifica* | 1 | 2 | | 3 | 10-bot |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 5 | | | 5 | 10-bot |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 6 | | | 6 | 10-bot |
| POSE | 0272 | 1747 | *Scoloplos* nr. *acmeceps* | 1 | | | 1 | 10-bot |
| SIPN | 0330 | 0020 | *Thysanocardia nigra* | 1 | 2 | | 3 | 10-bot |
| | | | | | | | | |
| Station 15 (IONA) | Replicate 2 | | | | | | | |
| CRAM | 0632 | 1102 | *Monoculodes brevirostris* | 1 | | | 1 | 0-1 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 0-1 |
| CRCU | 0704 | 0100 | *Eudorella pacifica* | 1 | | | 1 | 0-1 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 4 | | | 4 | 0-1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 18 | 14 | | 32 | 0-1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 24 | 6 | 30 | 0-1 |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 2 | | 2 | 0-1 |
| MOBI | 0478 | 1015 | *Yoldia hyperborea* | | | 1 | 1 | 0-1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 0-1 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | | 1 | | 1 | 0-1 |
| PLTY | 0128 | 0128 | Leptoplanidae indet. | | | 2 | 2 | 0-1 |
| POER | 0220 | 0480 | *Gattyana treadwelli* | 1 | | | 1 | 0-1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 0-1 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 2 | | | | | | | |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | | 2 | 1 | 3 | 0-1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 8 | 1 | | 9 | 0-1 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | | 1 | | 1 | 0-1 |
| POSE | 0310 | 1605 | *Pnonospio (Pnonospio) jubata* | 1 | | | 1 | 0-1 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | | 1 | | 1 | 0-1 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | | 3 | | 3 | 1-2 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 1-2 |
| CROS | 0682 | 0055 | *Euphilomedes carcharodonta* | 1 | | | 1 | 1-2 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | | 2 | 1 | 3 | 1-2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 28 | 13 | | 41 | 1-2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 67 | 4 | 71 | 1-2 |
| MOBI | 0456 | 0570 | *Macoma sp.* | | | 2 | 2 | 1-2 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | | 1 | | 1 | 1-2 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 1-2 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 1 | | | 1 | 1-2 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 1-2 |
| POER | 0198 | 0615 | *Lumbrinens cruzensis* | | 1 | | 1 | 1-2 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 4 | | | 4 | 1-2 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 1 | | | 1 | 1-2 |
| POSE | 0260 | 0420 | *Brada sachalina* | | 1 | | 1 | 1-2 |
| POSE | 0248 | 0683 | *Decamastus nr. gracilis* | | 1 | | 1 | 1-2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 9 | 1 | | 10 | 1-2 |
| POSE | 0310 | 0800 | *Laonice cirrata* | 1 | | | 1 | 1-2 |
| POSE | 0248 | 0950 | *Mediomastus spp.* | | 1 | | 1 | 1-2 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | | 3 | | 3 | 1-2 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | | 1 | | 1 | 2-3 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 2-3 |
| CRCU | 0704 | 0120 | *Eudorellopsis longirostris* | 1 | | | 1 | 2-3 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 2 | | | 2 | 2-3 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 1 | | | 1 | 2-3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 29 | 23 | | 52 | 2-3 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | | | 5 | 5 | 2-3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 1 | 76 | 9 | 86 | 2-3 |
| MOBI | 0456 | 0570 | *Macoma sp.* | | | 4 | 4 | 2-3 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | | | 1 | 2-3 |
| NTEA | 0140 | 0160 | *Amphiporus sp.* | | 2 | | 2 | 2-3 |
| POER | 0182 | 0530 | *Glycinde armigera* | 3 | | | 3 | 2-3 |
| POER | 0198 | 0615 | *Lumbrinens cruzensis* | 1 | | | 1 | 2-3 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 4 | | | 4 | 2-3 |
| POER | 0224 | 0895 | *Pholoe sp. N-1* | | 2 | | 2 | 2-3 |
| POSE | 0248 | 0683 | *Decamastus nr. gracilis* | | 3 | 1 | 4 | 2-3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 10 | 3 | | 13 | 2-3 |
| POSE | 0280 | 1240 | *Pectinana californiensis* | 1 | | | 1 | 2-3 |
| POSE | 0310 | 1610 | *Pnonospio (Minuspio) lighti* | 1 | | | 1 | 2-3 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | | | 1 | 3-4 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 4 | 1 | | 5 | 3-4 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 1 | | | 1 | 3-4 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | | 1 | 1 | 2 | 3-4 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 10 | 15 | | 25 | 3-4 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 56 | 9 | 65 | 3-4 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 2 | 1 | 3 | 3-4 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 1 | | | 1 | 3-4 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 1 | | | 1 | 3-4 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 3-4 |
| POER | 0198 | 0615 | *Lumbrinens cruzensis* | 1 | | | 1 | 3-4 |
| POER | 0220 | 0666 | *Malmgreniella berkeleyorum* | 1 | | | 1 | 3-4 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 3-4 |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 2 | | | | | | | |
| POER | 0224 | 0895 | *Pholoe* sp. N-1 | 1 | | | 1 | 3-4 |
| POER | 0214 | 0940 | *Phyllodoce groenlandica* | 1 | | | 1 | 3-4 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 3-4 |
| POSE | 0266 | 0710 | Euclymeninae indet. | 1 | | | 1 | 3-4 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 10 | | | 10 | 3-4 |
| POSE | 0272 | 0820 | *Leitoscoloplos pugettensis* | 1 | | | 1 | 3-4 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | | | 1 | 3-4 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 3 | | | 3 | 3-4 |
| SIPN | 0330 | 0020 | *Thysanocardia nigra* | | 1 | | 1 | 3-4 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 1 | | 2 | 4-5 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 2 | | | 2 | 4-5 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 1 | | | 1 | 4-5 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 1 | 1 | | 2 | 4-5 |
| MOBI | 0414 | 0020 | *Acila castrensis* | | 1 | | 1 | 4-5 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 9 | 5 | | 14 | 4-5 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | | 19 | | 19 | 4-5 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | | 2 | 2 | 4-5 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 1 | | | 1 | 4-5 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 4-5 |
| POER | 0202 | 0720 | *Nephtys ferruginea* | 1 | | | 1 | 4-5 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | | | 1 | 4-5 |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | 1 | | 2 | 4-5 |
| POSE | 0276 | 0180 | *Aricidea lopezi* | 1 | | | 1 | 4-5 |
| POSE | 0252 | 0510 | *Chaetozone* spp. | | 1 | | 1 | 4-5 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 3 | 1 | | 4 | 4-5 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 10 | | | 10 | 4-5 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | | | 1 | 4-5 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | | 1 | | 1 | 4-5 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 5 | | | 5 | 4-5 |
| POSE | 0272 | 1747 | *Scoloplos* nr. *acmeceps* | 1 | | | 1 | 4-5 |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 2 | | | 2 | 4-5 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 1 | | 2 | 5-6 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | | | 1 | 5-6 |
| CRCU | 0700 | 0060 | *Diastylis pellucida* | 1 | | | 1 | 5-6 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 3 | | | 3 | 5-6 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | | 1 | | 1 | 5-6 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 4 | 1 | | 5 | 5-6 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 1 | | | 1 | 5-6 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 1 | | 1 | 2 | 5-6 |
| MOBI | 0456 | 0540 | *Macoma elimata* | | 1 | | 1 | 5-6 |
| POER | 0214 | 0320 | *Eteone spilotus* | 1 | | | 1 | 5-6 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | | | 1 | 5-6 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | | | 1 | 5-6 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 2 | | | 2 | 5-6 |
| POER | 0208 | 0840 | *Onuphis* spp. | 1 | | | 1 | 5-6 |
| POER | 0214 | 0940 | *Phyllodoce groenlandica* | 1 | | | 1 | 5-6 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | 1 | | 2 | 5-6 |
| POSE | 0276 | 0180 | *Aricidea lopezi* | 1 | | | 1 | 5-6 |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 6 | | | 6 | 5-6 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 2 | | | 2 | 5-6 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 1 | | | 1 | 5-6 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | | | 1 | 5-6 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | | | 1 | 5-6 |
| CRAM | 0798 | 0500 | *Eusirus columbianus* | 1 | | | 1 | 6-bot |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | | 1 | | 1 | 6-bot |
| CRAM | 0848 | 1340 | *Pleusymtes subglaber* | 1 | | | 1 | 6-bot |
| CRAM | 0832 | 1620 | *Westwoodilla caecula* | 1 | | | 1 | 6-bot |

Table 12: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Total | Depth Interval (cm) |
|---|---|---|---|---|---|---|---|---|
| Station IONA 15 | Replicate 2 | | | | | | | |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 3 | | | 3 | 6-bot |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 1 | | | 1 | 6-bot |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 2 | 6 | | 8 | 6-bot |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | | 1 | | 1 | 6-bot |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 28 | 24 | | 52 | 6-bot |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 2 | | | 2 | 6-bot |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 2 | 82 | 8 | 92 | 6-bot |
| MOBI | 0456 | 0540 | *Macoma elimata* | 2 | 1 | 3 | 6 | 6-bot |
| MOBI | 0472 | 0747 | *Nutricola* sp. | | 1 | | 1 | 6-bot |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | | | 1 | 6-bot |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 1 | | 2 | 6-bot |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 2 | | | 2 | 6-bot |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 2 | | | 2 | 6-bot |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 2 | | | 2 | 6-bot |
| POER | 0214 | 0320 | *Eteone spilotus* | 3 | | | 3 | 6-bot |
| POER | 0180 | 0500 | *Glycera nana* | 8 | | | 8 | 6-bot |
| POER | 0182 | 0530 | *Glycinde armigera* | 7 | | | 7 | 6-bot |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | | | 1 | 6-bot |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | | | 1 | 6-bot |
| POER | 0198 | 0780 | *Ninoe gemmea* | 1 | | | 1 | 6-bot |
| POER | 0224 | 0895 | *Pholoe* sp. N-1 | 2 | | | 2 | 6-bot |
| POER | 0224 | 0900 | *Pholoe* spp. | | 1 | | 1 | 6-bot |
| POER | 0214 | 0940 | *Phyllodoce groenlandica* | 2 | | | 2 | 6-bot |
| POER | 0198 | 1040 | *Scoletoma luti* | 3 | 1 | | 4 | 6-bot |
| POSE | 0242 | 0042 | *Ampharete* nr. *acutifrons* | 1 | | | 1 | 6-bot |
| POSE | 0252 | 0125 | *Aphelochaeta* sp. N-1 | 1 | | | 1 | 6-bot |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 1 | | | 1 | 6-bot |
| POSE | 0248 | 0683 | *Decamastus* nr. *gracilis* | 39 | 2 | | 41 | 6-bot |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 7 | | | 7 | 6-bot |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 4 | | | 4 | 6-bot |
| POSE | 0310 | 0800 | *Laonice cirrata* | 1 | | | 1 | 6-bot |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 9 | | | 9 | 6-bot |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 1 | | | 1 | 6-bot |
| POSE | 0248 | 0950 | *Mediomastus* spp. | 20 | | | 20 | 6-bot |
| POSE | 0251 | 1342 | *Phyllochaetopterus pottsi* | 1 | | | 1 | 6-bot |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 3 | 1 | | 4 | 6-bot |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 5 | | | 5 | 6-bot |
| POSE | 0272 | 1747 | *Scoloplos* nr. *acmeceps* | 1 | | | 1 | 6-bot |
| POSE | 0312 | 1860 | *Stemaspis* nr. *fossor* | 1 | | | 1 | 6-bot |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | | | 1 | 6-bot |
| SIPN | 0330 | 0020 | *Thysanocardia nigra* | | 1 | | 1 | 6-bot |

Table 13: Results of the benthic taxonomic analysis from grabs taken at the GVRD core locations
All coding is as per the system employed by Biological Environmental Services.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| **GVRD-1** | | | | | | | | |
| CHAC | 0673 | 0673 | *Halacandae indet.* | 1 | 0 | 0 | 1 | 1 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 4 | 0 | 0 | 4 | 1 |
| MOAP | 0338 | 0050 | *Falcidens longus* | 2 | 0 | 0 | 2 | 1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 2 | 0 | 0 | 2 | 1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0276 | 0180 | *Ancidea lopezi* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0316 | 1905 | *Terebellides kobei* | 1 | 0 | 0 | 1 | 1 |
| CNAN | 0082 | 0250 | *Virgularia agassizii* | 1 | 0 | 0 | 1 | 2 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 1 | 0 | 0 | 1 | 2 |
| MOAP | 0338 | 0050 | *Falcidens longus* | 1 | 0 | 0 | 1 | 2 |
| POER | 0220 | 0034 | *Bylgides macrolepidus* | 2 | 0 | 0 | 2 | 2 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 2 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | 0 | 0 | 1 | 2 |
| POER | 0198 | 1040 | *Scoletoma luti* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0276 | 0180 | *Ancidea lopezi* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 0700 | *Dipolydora socialis* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0266 | 1540 | *Praxillella gracilis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 1605 | *Prionospio jubata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0316 | 2000 | *Trichobranchus glacialis* | 1 | 0 | 0 | 1 | 2 |
| BRYO | 0968 | 0051 | *Caulibugula californica* | 4 | 0 | 0 | 4 | 3 |
| BRYO | 1012 | 0270 | *Triticella pedicellata* | 1 | 0 | 0 | 1 | 3 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 2 | 0 | 0 | 2 | 3 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 0 | 0 | 1 | 3 |
| POER | 0220 | 0666 | *Malmgreniella berkeleyorum* | 1 | 0 | 0 | 1 | 3 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | 0 | 0 | 1 | 3 |
| POER | 0198 | 1040 | *Scoletoma luti* | 3 | 0 | 0 | 3 | 3 |
| POSE | 0310 | 0700 | *Dipolydora socialis* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0316 | 2000 | *Trichobranchus glacialis* | 1 | 0 | 0 | 1 | 3 |
| **GVRD 2** | | | | | | | | |
| CRAM | 0762 | 0140 | *Ampelisca unsocalae* | 2 | 1 | 0 | 3 | 1 |
| CRAM | 0832 | 0285 | *Bathymedon sp.* | 1 | 0 | 0 | 1 | 1 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 0 | 0 | 1 | 1 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 2 | 1 | 0 | 3 | 1 |
| CRAM | 0844 | 1234 | *Paraphoxus gracilis* | 2 | 0 | 0 | 2 | 1 |
| CRAM | 0810 | 1440 | *Protomedeia grandimana* | 0 | 1 | 0 | 1 | 1 |
| CRCU | 0700 | 0060 | *Diastylis pellucida* | 1 | 0 | 0 | 1 | 1 |
| CRCU | 0704 | 0100 | *Eudorella pacifica* | 1 | 0 | 0 | 1 | 1 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 1 | 0 | 0 | 1 | 1 |
| ECEC | 1082 | 0050 | *Brisaster latifrons* | 1 | 0 | 0 | 1 | 1 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 2 | 2 | 0 | 4 | 1 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 3 | 2 | 0 | 5 | 1 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 0 | 3 | 4 | 1 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 1 | 0 | 2 | 1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 1 | 2 | 0 | 3 | 1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 11 | 17 | 0 | 28 | 1 |
| MOBI | 0356 | 0200 | *Cyclocardia ventricosa* | 0 | 1 | 0 | 1 | 1 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 0 | 1 | 0 | 1 | 1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 3 | 3 | 1 | 7 | 1 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 0 | 2 | 0 | 2 | 1 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 0 | 0 | 2 | 2 | 1 |
| MOBI | 0472 | 0747 | *Nutricola tantilla* | 2 | 0 | 0 | 2 | 1 |
| MOBI | 0472 | 0747 | *Nutricola tantilla* | 1 | 2 | 0 | 3 | 1 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 2 | | | | | | | | |
| MOBI | 0462 | 0990 | *Thyasira flexuosa* | 1 | 1 | 0 | 2 | 1 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 0 | 0 | 1 | 1 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 1 | 0 | 2 | 1 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 2 | 0 | 0 | 2 | 1 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 21 | 0 | 0 | 21 | 1 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 3 | 2 | 0 | 5 | 1 |
| MOGA | 0606 | 0680 | *Odostomia sp.* | 1 | 0 | 0 | 1 | 1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | 0 | 0 | 1 | 1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 3 | 0 | 0 | 3 | 1 |
| POER | 0206 | 0095 | *Drilonereis longa* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 0280 | *Errano bicirrata* | 0 | 1 | 0 | 1 | 1 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | 0 | 0 | 1 | 1 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | 0 | 0 | 1 | 1 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 1 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 1 |
| POER | 0182 | 0575 | *Goniada brunnea* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 9 | 0 | 0 | 9 | 1 |
| POER | 0220 | 0679 | *Malmgreniella nr. berkeleyorum* | 2 | 0 | 0 | 2 | 1 |
| POER | 0202 | 0720 | *Nephtys ferruginea* | 1 | 0 | 0 | 1 | 1 |
| POER | 0202 | 0725 | *Nephtys punctata* | 1 | 0 | 0 | 1 | 1 |
| POER | 0202 | 0725 | *Nephtys punctata* | 1 | 0 | 0 | 1 | 1 |
| POER | 0208 | 0830 | *Onuphis iridescens* | 3 | 0 | 0 | 3 | 1 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 13 | 4 | 0 | 17 | 1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 6 | 0 | 0 | 6 | 1 |
| POER | 0228 | 1225 | *Typosyllis heterochaeta* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0242 | 0074 | *Amphicteis scaphobranchiata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 13 | 1 | 0 | 14 | 1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 5 | 0 | 0 | 5 | 1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 5 | 2 | 0 | 7 | 1 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 4 | 0 | 0 | 4 | 1 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0314 | 0776 | *Lanassa gracilis* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 88 | 0 | 0 | 88 | 1 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 13 | 0 | 0 | 13 | 1 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 9 | 0 | 0 | 9 | 1 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0314 | 1420 | *Pista wui* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0266 | 1660 | *Rhodine bitorquata* | 4 | 0 | 0 | 4 | 1 |
| POSE | 0266 | 1660 | *Rhodine bitorquata* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 3 | 2 | 0 | 5 | 1 |
| POSE | 0316 | 1900 | *Terebellides californica* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0316 | 1924 | *Imamura)* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | 0 | 0 | 1 | 1 |
| CNHY | 0088 | 0160 | *Perigonimus repens* | 1 | 0 | 0 | 1 | 2 |
| CRAM | 0762 | 0140 | *Ampelisca unsocalae* | 0 | 1 | 0 | 1 | 2 |
| CRAM | 0832 | 0340 | *Deflexilodes similis* | 1 | 0 | 0 | 1 | 2 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 2 | 1 | 0 | 3 | 2 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 2 | | | | | | | | |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 4 | 0 | 0 | 4 | 2 |
| CRAM | 0844 | 1234 | *Paraphoxus gracilis* | 17 | 0 | 0 | 17 | 2 |
| CRAM | 0862 | 1565 | *Syrrhoe longifrons* | 1 | 0 | 0 | 1 | 2 |
| CRCU | 0704 | 0100 | *Eudorella pacifica* | 1 | 0 | 0 | 1 | 2 |
| CRIS | 0736 | 0020 | *Gnathia sp.* | 1 | 0 | 0 | 1 | 2 |
| CROS | 0682 | 0110 | *Scleroconcha trituberculata* | 2 | 0 | 0 | 2 | 2 |
| CRTA | 0712 | 0040 | *Leptognathia gracilis* | 2 | 1 | 0 | 3 | 2 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 1 | 2 | 0 | 3 | 2 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 1 | 0 | 0 | 1 | 2 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 0 | 1 | 0 | 1 | 2 |
| ECOP | 1074 | 0070 | *Ophiura sp.* | 0 | 0 | 1 | 1 | 2 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 2 | 7 | 0 | 9 | 2 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 1 | 0 | 2 | 2 |
| MOBI | 0462 | 0040 | *Adontorhina cyclia* | 3 | 0 | 0 | 3 | 2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 3 | 2 | 0 | 5 | 2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 30 | 33 | 0 | 63 | 2 |
| MOBI | 0366 | 0073 | *Cardiomya planetica* | 1 | 0 | 0 | 1 | 2 |
| MOBI | 0472 | 0160 | *Compsomyax subdiaphana* | 0 | 0 | 2 | 2 | 2 |
| MOBI | 0356 | 0200 | *Cyclocardia ventricosa* | 0 | 2 | 1 | 3 | 2 |
| MOBI | 0414 | 0220 | *Ennucula tenuis* | 0 | 1 | 0 | 1 | 2 |
| MOBI | 0384 | 0384 | *Lasaeidae indet.* | 0 | 1 | 0 | 1 | 2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 5 | 3 | 0 | 8 | 2 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 3 | 1 | 0 | 4 | 2 |
| MOBI | 0456 | 0570 | *Macoma sp.* | 0 | 0 | 1 | 1 | 2 |
| MOBI | 0456 | 0570 | *Macoma sp.* | 0 | 0 | 1 | 1 | 2 |
| MOBI | 0478 | 0590 | *Megayoldia sp.* | 0 | 0 | 1 | 1 | 2 |
| MOBI | 0412 | 0700 | *Nuculana hamata* | 1 | 2 | 0 | 3 | 2 |
| MOBI | 0472 | 0747 | *Nutricola tantilla* | 9 | 10 | 0 | 19 | 2 |
| MOBI | 0462 | 0990 | *Thyasira flexuosa* | 1 | 2 | 0 | 3 | 2 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 1 | 0 | 2 | 2 |
| MOGA | 0528 | 0020 | *Acteocina culcitella* | 1 | 0 | 0 | 1 | 2 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 2 | 1 | 0 | 3 | 2 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 31 | 0 | 0 | 31 | 2 |
| MOGA | 0528 | 0245 | *Cylichna alba* | 0 | 1 | 0 | 1 | 2 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 0 | 1 | 0 | 1 | 2 |
| MOGA | 0518 | 0672 | *Oenopota turricula* | 0 | 1 | 0 | 1 | 2 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 5 | 0 | 0 | 5 | 2 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | 1 | 0 | 0 | 1 | 2 |
| NTEA | 0000 | 0011 | *Enopla sp. A (SCAMIT)* | 0 | 1 | 0 | 1 | 2 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 0 | 0 | 1 | 1 | 2 |
| POER | 0214 | 0295 | *Eteone californica* | 1 | 0 | 0 | 1 | 2 |
| POER | 0228 | 0450 | *Exogone lourei* | 1 | 0 | 0 | 1 | 2 |
| POER | 0180 | 0500 | *Glycera nana* | 2 | 1 | 0 | 3 | 2 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | 0 | 0 | 1 | 2 |
| POER | 0182 | 0530 | *Glycinde armigera* | 4 | 0 | 0 | 4 | 2 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 2 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 43 | 4 | 0 | 47 | 2 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | 0 | 0 | 1 | 2 |
| POER | 0220 | 0679 | *Malmgreniella nr. berkeleyorum* | 1 | 0 | 0 | 1 | 2 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | 0 | 0 | 1 | 2 |
| POER | 0202 | 0725 | *Nephtys punctata* | 1 | 2 | 0 | 3 | 2 |
| POER | 0208 | 0830 | *Onuphis indescens* | 11 | 0 | 0 | 11 | 2 |
| POER | 0208 | 0831 | *Onuphis nr. indescens* | 0 | 3 | 0 | 3 | 2 |
| POER | 0208 | 0831 | *Onuphis nr. indescens* | 1 | 0 | 0 | 1 | 2 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | 0 | 0 | 1 | 2 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 2 | | | | | | | | |
| POER | 0198 | 1040 | *Scoletoma luti* | 26 | 10 | 2 | 38 | 2 |
| POER | 0198 | 1040 | *Scoletoma luti* | 3 | 1 | 0 | 4 | 2 |
| POER | 0228 | 1225 | *Typosyllis heterochaeta* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0242 | 0074 | *Amphicteis scaphobranchiata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0242 | 0080 | *Anobothrus gracilis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0252 | 0120 | *Aphelochaeta spp* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0276 | 0180 | *Aricidea lopezi* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0276 | 0180 | *Aricidea lopezi* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0314 | 0340 | *Artacama conifera* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0248 | 0383 | *Barantolla nr. americana* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0248 | 0383 | *Barantolla nr. americana* | 1 | 1 | 0 | 2 | 2 |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 6 | 0 | 0 | 6 | 2 |
| POSE | 0310 | 1470 | *Dipolydora caulleryi* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0266 | 0713 | *Euclymene nr. zonalis* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 17 | 4 | 0 | 21 | 2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 5 | 0 | 0 | 5 | 2 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 8 | 0 | 0 | 8 | 2 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 8 | 0 | 0 | 8 | 2 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 419 | 0 | 0 | 419 | 2 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 7 | 1 | 0 | 8 | 2 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 19 | 0 | 0 | 19 | 2 |
| POSE | 0242 | 0989 | *Melinna heterodonta* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0242 | 0989 | *Melinna heterodonta* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 14 | 0 | 0 | 14 | 2 |
| POSE | 0270 | 1140 | *Ophelina acuminata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0270 | 1145 | *Ophelina breviata* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0310 | 1220 | *Paraprionospio pinnata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0314 | 1420 | *Pista wui* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0266 | 1540 | *Praxillella gracilis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 7 | 0 | 0 | 7 | 2 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0266 | 1660 | *Rhodine bitorquata* | 21 | 0 | 0 | 21 | 2 |
| POSE | 0266 | 1660 | *Rhodine bitorquata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0272 | 1740 | *Scoloplos acmeceps* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 4 | 0 | 0 | 4 | 2 |
| POSE | 0316 | 1900 | *Terebellides californica* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0316 | 1910 | *Terebellides reishi* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0316 | 1924 | *Imamura)* | 2 | 2 | 1 | 5 | 2 |
| POSE | 0316 | 1924 | *Imamura)* | 4 | 0 | 0 | 4 | 2 |
| POSE | 0270 | 1980 | *Travisia pupa* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0316 | 2000 | *Trichobranchus glacialis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0316 | 2000 | *Trichobranchus glacialis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 2 | 0 | 0 | 2 | 2 |
| CNHY | 0090 | 0020 | *Campanularia sp.* | 4 | 0 | 0 | 4 | 3 |
| CRAM | 0812 | 0470 | *Encthonius rubricornis* | 1 | 0 | 0 | 1 | 3 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 2 | 2 | 0 | 4 | 3 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 7 | 0 | 0 | 7 | 3 |
| CRAM | 0832 | 1108 | *Monoculodes perditus* | 2 | 0 | 0 | 2 | 3 |
| CRAM | 0844 | 1234 | *Paraphoxus gracilis* | 5 | 0 | 0 | 5 | 3 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 2 | | | | | | | | |
| CRAM | 0862 | 1565 | *Syrrhoe longifrons* | 1 | 0 | 0 | 1 | 3 |
| CRCU | 0704 | 0170 | *Leucon sp.* | 1 | 0 | 0 | 1 | 3 |
| CRTA | 0712 | 0040 | *Leptognathia gracilis* | 1 | 0 | 0 | 1 | 3 |
| ECEC | 1082 | 0050 | *Brisaster latifrons* | 1 | 0 | 0 | 1 | 3 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 9 | 1 | 0 | 10 | 3 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 2 | 0 | 0 | 2 | 3 |
| ECHO | 1098 | 0150 | *Pentamera pseudocalcigera* | 0 | 1 | 0 | 1 | 3 |
| ECHO | 1098 | 0150 | *Pentamera pseudocalcigera* | 0 | 1 | 0 | 1 | 3 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 1 | 3 | 0 | 4 | 3 |
| ECOP | 1074 | 0070 | *Ophiura sp.* | 0 | 0 | 1 | 1 | 3 |
| HEMI | 1126 | 0010 | *Saccoglossus spp.* | 2 | 0 | 0 | 2 | 3 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 9 | 0 | 10 | 3 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 0 | 1 | 2 | 3 |
| MOBI | 0414 | 0020 | *Acila castrensis* | 0 | 0 | 1 | 1 | 3 |
| MOBI | 0462 | 0040 | *Adontorhina cyclia* | 2 | 0 | 0 | 2 | 3 |
| MOBI | 0462 | 0040 | *Adontorhina cyclia* | 2 | 0 | 0 | 2 | 3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 2 | 2 | 0 | 4 | 3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 42 | 57 | 0 | 99 | 3 |
| MOBI | 0472 | 0160 | *Compsomyax subdiaphana* | 0 | 3 | 0 | 3 | 3 |
| MOBI | 0356 | 0200 | *Cyclocardia ventricosa* | 0 | 5 | 1 | 6 | 3 |
| MOBI | 0384 | 0384 | *Lasaeidae indet.* | 2 | 0 | 0 | 2 | 3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 5 | 6 | 0 | 11 | 3 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 3 | 1 | 0 | 4 | 3 |
| MOBI | 0456 | 0550 | *Macoma nasuta* | 0 | 1 | 0 | 1 | 3 |
| MOBI | 0456 | 0570 | *Macoma sp.* | 0 | 0 | 2 | 2 | 3 |
| MOBI | 0456 | 0570 | *Macoma sp.* | 0 | 0 | 5 | 5 | 3 |
| MOBI | 0472 | 0747 | *Nutricola tantilla* | 5 | 1 | 0 | 6 | 3 |
| MOBI | 0472 | 0747 | *Nutricola tantilla* | 10 | 1 | 0 | 11 | 3 |
| MOBI | 0462 | 0990 | *Thyasira flexuosa* | 1 | 0 | 0 | 1 | 3 |
| MOBI | 0478 | 1015 | *Yoldia hyperborea* | 0 | 1 | 0 | 1 | 3 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 0 | 0 | 1 | 1 | 3 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 5 | 0 | 0 | 5 | 3 |
| MOGA | 0610 | 0041 | *Alvania compacta* | 10 | 1 | 0 | 11 | 3 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 5 | 2 | 0 | 7 | 3 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 1 | 0 | 0 | 1 | 3 |
| MOGA | 0606 | 0680 | *Odostomia sp.* | 1 | 0 | 0 | 1 | 3 |
| MOGA | 0518 | 0663 | *Oenopota elegans* | 1 | 0 | 0 | 1 | 3 |
| MOGA | 0518 | 0668 | *Oenopota harpulana* | 1 | 0 | 0 | 1 | 3 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 4 | 0 | 0 | 4 | 3 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | 1 | 0 | 0 | 1 | 3 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 0 | 0 | 1 | 1 | 3 |
| POER | 0206 | 0095 | *Drilonereis longa* | 1 | 0 | 0 | 1 | 3 |
| POER | 0198 | 0285 | *Errano sp.* | 0 | 1 | 0 | 1 | 3 |
| POER | 0214 | 0320 | *Eteone spilotus* | 1 | 0 | 0 | 1 | 3 |
| POER | 0228 | 0450 | *Exogone lourei* | 4 | 0 | 0 | 4 | 3 |
| POER | 0180 | 0500 | *Glycera nana* | 4 | 0 | 0 | 4 | 3 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 3 |
| POER | 0220 | 0591 | *Hesperonoe laevis* | 2 | 0 | 0 | 2 | 3 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 10 | 1 | 0 | 11 | 3 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 7 | 0 | 0 | 7 | 3 |
| POER | 0220 | 0679 | *Malmgreniella nr. berkeleyorum* | 1 | 0 | 0 | 1 | 3 |
| POER | 0220 | 0675 | *Malmgreniella scriptoria* | 2 | 0 | 0 | 2 | 3 |
| POER | 0202 | 0710 | *Nephtys comuta* | 2 | 0 | 0 | 2 | 3 |
| POER | 0202 | 0720 | *Nephtys ferruginea* | 1 | 0 | 0 | 1 | 3 |
| POER | 0202 | 0725 | *Nephtys punctata* | 2 | 0 | 0 | 2 | 3 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| **GVRD 2** | | | | | | | | |
| POER | 0208 | 0830 | *Onuphis indescens* | 6 | 0 | 0 | 6 | 3 |
| POER | 0208 | 0830 | *Onuphis indescens* | 2 | 0 | 0 | 2 | 3 |
| POER | 0208 | 0831 | *Onuphis nr. indescens* | 3 | 1 | 0 | 4 | 3 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | 0 | 0 | 1 | 3 |
| POER | 0198 | 1040 | *Scoletoma luti* | 17 | 4 | 2 | 23 | 3 |
| POER | 0198 | 1040 | *Scoletoma luti* | 5 | 7 | 1 | 13 | 3 |
| POSE | 0242 | 0020 | *Amage anops* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0252 | 0120 | *Aphelochaeta spp.* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0248 | 0383 | *Barantolla nr. americana* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0260 | 0420 | *Brada sachalina* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0310 | 0697 | *Dipolydora cardalia* | 5 | 0 | 0 | 5 | 3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 14 | 5 | 0 | 19 | 3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 17 | 3 | 0 | 20 | 3 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 5 | 0 | 0 | 5 | 3 |
| POSE | 0314 | 0776 | *Lanassa gracilis* | 1 | 1 | 0 | 2 | 3 |
| POSE | 0310 | 0805 | *Laonice spp.* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 92 | 0 | 0 | 92 | 3 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 30 | 0 | 0 | 30 | 3 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0242 | 0989 | *Melinna heterodonta* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 15 | 7 | 0 | 22 | 3 |
| POSE | 0250 | 1345 | *Phyllochaetopterus spp.* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0314 | 1440 | *Polycirrus californicus* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0266 | 1540 | *Praxillella gracilis* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 4 | 0 | 0 | 4 | 3 |
| POSE | 0310 | 1605 | *Prionospio (Prionospio) jubata* | 6 | 0 | 0 | 6 | 3 |
| POSE | 0310 | 1630 | *Prionospio spp.* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0266 | 1660 | *Rhodine bitorquata* | 4 | 0 | 0 | 4 | 3 |
| POSE | 0266 | 1660 | *Rhodine bitorquata* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0312 | 1860 | *Sternaspis nr. fossor* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0312 | 1860 | *Sternaspis nr. fossor* | 3 | 1 | 0 | 4 | 3 |
| POSE | 0316 | 1900 | *Terebellides californica* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0316 | 1910 | *Terebellides reishi* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0316 | 1924 | *Imamura)* | 2 | 1 | 0 | 3 | 3 |
| POSE | 0316 | 1924 | *Imamura)* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0270 | 1980 | *Travisia pupa* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | 0 | 0 | 1 | 3 |
| **GVRD-5** | | | | | | | | |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 0 | 2 | 0 | 2 | 1 |
| ECEC | 1082 | 0046 | *Brisaster acutifrons* | 4 | 3 | 1 | 8 | 1 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 5 | 0 | 0 | 5 | 1 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 3 | 0 | 1 | 4 | 1 |
| ECOP | 1058 | 0051 | *Amphioplus pugetana* | 1 | 1 | 0 | 2 | 1 |
| EURA | 0323 | 0010 | *Arhynchite pugettensis* | 1 | 0 | 0 | 1 | 1 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 1 | 0 | 2 | 1 |
| MOAP | 0338 | 0050 | *Falcidens longus* | 0 | 1 | 0 | 1 | 1 |
| MOAP | 0340 | 0060 | *Limifossor sp.* | 1 | 0 | 0 | 1 | 1 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 5 | | | | | | | | |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 1 | 0 | 1 | 1 |
| MOBI | 0478 | 0590 | *Megayoldia spp* | 0 | 0 | 1 | 1 | 1 |
| MOSC | 0646 | 0050 | *Polyschides tolmiei* | 2 | 0 | 0 | 2 | 1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | 0 | 0 | 1 | 1 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | 0 | 1 | 0 | 1 | 1 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | 0 | 0 | 1 | 1 |
| POER | 0182 | 0530 | *Glycinde armigera* | 0 | 2 | 0 | 2 | 1 |
| POER | 0220 | 0582 | *Hesperonoe complanata* | 1 | 0 | 0 | 1 | 1 |
| POER | 0220 | 0675 | *Malmgreniella scriptoria* | 4 | 0 | 0 | 4 | 1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | 0 | 0 | 1 | 1 |
| POER | 0224 | 0900 | *Pholoe spp* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0260 | 0420 | *Brada sachalina* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0252 | 0252 | *Cirratulidae indet* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0310 | 0702 | *Dipolydora spp* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0266 | 0710 | *Euclymeninae indet* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 8 | 1 | 0 | 9 | 1 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 5 | 0 | 0 | 5 | 1 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 0 | 2 | 0 | 2 | 1 |
| POSE | 0252 | 0997 | *Monticellina secunda* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0260 | 1328 | *Pherusa neopapillata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0314 | 1420 | *Pista wui* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0310 | 1835 | *Spiophanes fimbriata* | 3 | 0 | 0 | 3 | 1 |
| POSE | 0312 | 1860 | *Sternaspis nr. fossor* | 1 | 1 | 0 | 2 | 1 |
| SIPN | 0330 | 0080 | *Nephasoma diaphanes* | 0 | 1 | 0 | 1 | 1 |
| SIPN | 0330 | 0020 | *Thysanocardia nigra* | 0 | 1 | 0 | 1 | 1 |
| CHPY | 0668 | 0026 | *Anoplodactylus viridintestinalis* | 1 | 0 | 0 | 1 | 2 |
| CRAM | 0844 | 0590 | *Harpiniopsis fulgens* | 1 | 0 | 0 | 1 | 2 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 2 | 1 | 0 | 3 | 2 |
| ECEC | 1082 | 0046 | *Brisaster acutifrons* | 0 | 2 | 0 | 2 | 2 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 2 | 1 | 0 | 3 | 2 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 1 | 1 | 0 | 2 | 2 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 2 | 0 | 0 | 2 | 2 |
| MOAP | 0340 | 0060 | *Limifossor sp* | 2 | 0 | 0 | 2 | 2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 1 | 0 | 1 | 2 |
| MOBI | 0478 | 0590 | *Megayoldia spp* | 0 | 0 | 2 | 2 | 2 |
| MOBI | 0478 | 0595 | *Megayoldia thraciaeformis* | 1 | 0 | 0 | 1 | 2 |
| MOSC | 0646 | 0050 | *Polyschides tolmiei* | 1 | 3 | 0 | 4 | 2 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 1 | 0 | 0 | 1 | 2 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 1 | 1 | 0 | 2 | 2 |
| NTEA | 0154 | 0260 | *Tetrastemma sp* | 0 | 1 | 0 | 1 | 2 |
| POER | 0216 | 0866 | *Ancistrosyllis groenlandica* | 2 | 0 | 0 | 2 | 2 |
| POER | 0228 | 0450 | *Exogone lourei* | 2 | 0 | 1 | 3 | 2 |
| POER | 0220 | 0480 | *Gattyana treadwelli* | 1 | 0 | 0 | 1 | 2 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | 0 | 0 | 1 | 2 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | 0 | 0 | 1 | 2 |
| POER | 0224 | 0895 | *Pholoe sp. N-1 (Ruff)* | 2 | 0 | 0 | 2 | 2 |
| POER | 0198 | 1040 | *Scoletoma luti* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0314 | 0078 | *Amphitritinae indet* | 0 | 0 | 2 | 2 | 2 |
| POSE | 0242 | 0080 | *Anobothrus gracilis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0252 | 0122 | *Aphelochaeta sp. 2* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0276 | 0180 | *Ancjea lopezi* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 0702 | *Dipolydora spp* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0300 | 0709 | *Euchone spp* | 0 | 1 | 0 | 1 | 2 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| **GVRD-5** | | | | | | | | |
| POSE | 0266 | 0710 | *Euclymeninae indet* | 0 | 5 | 0 | 5 | 2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 17 | 5 | 0 | 22 | 2 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 3 | 1 | 0 | 4 | 2 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0242 | 0990 | *Melinna elisabethae* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 0 | 1 | 1 | 2 | 2 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 1835 | *Spiophanes fimbriata* | 3 | 0 | 0 | 3 | 2 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 1 | 0 | 0 | 1 | 2 |
| SIPN | 0330 | 0080 | *Nephasoma diaphanes* | 4 | 1 | 0 | 5 | 2 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 0 | 1 | 0 | 1 | 3 |
| CRCU | 0700 | 0075 | *Diastylis umatillensis* | 1 | 0 | 0 | 1 | 3 |
| CRIS | 0748 | 0145 | *Baeonectes improvisus* | 1 | 0 | 0 | 1 | 3 |
| ECEC | 1082 | 0046 | *Brisaster acutifrons* | 3 | 3 | 0 | 6 | 3 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 4 | 1 | 0 | 5 | 3 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 1 | 1 | 2 | 4 | 3 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 0 | 1 | 0 | 1 | 3 |
| EURA | 0323 | 0010 | *Amynchite pugettensis* | 0 | 1 | 0 | 1 | 3 |
| EURA | 0322 | 0030 | *Nellobia eusoma* | 1 | 0 | 0 | 1 | 3 |
| MOAP | 0340 | 0061 | *Limifossor cf. fratula* | 1 | 0 | 0 | 1 | 3 |
| MOBI | 0478 | 0595 | *Megayoldia thraciaeformis* | 1 | 1 | 0 | 2 | 3 |
| MOBI | 0384 | 0675 | *Neaeromya rugifera* | 0 | 1 | 1 | 2 | 3 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 2 | 0 | 0 | 2 | 3 |
| MOSC | 0646 | 0050 | *Polyschides tolmiei* | 1 | 0 | 0 | 1 | 3 |
| POER | 0216 | 0866 | *Ancistrosyllis groenlandica* | 11 | 0 | 0 | 11 | 3 |
| POER | 0182 | 0530 | *Glycinde armigera* | 0 | 1 | 0 | 1 | 3 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | 0 | 0 | 1 | 3 |
| POER | 0220 | 0675 | *Malmgreniella scriptoria* | 2 | 0 | 0 | 2 | 3 |
| POER | 0202 | 0725 | *Nephtys punctata* | 2 | 0 | 0 | 2 | 3 |
| POER | 0208 | 0830 | *Onuphis iridescens* | 2 | 0 | 0 | 2 | 3 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | 0 | 0 | 1 | 3 |
| POER | 0198 | 1040 | *Scoletoma luti* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0276 | 0185 | *Ancidea simplex* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0260 | 0420 | *Brada sachalina* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0252 | 0510 | *Chaetozone spp* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 9 | 1 | 0 | 10 | 3 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 3 | 0 | 0 | 3 | 3 |
| POSE | 0242 | 0990 | *Melinna elisabethae* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 1 | 4 | 0 | 5 | 3 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0310 | 1835 | *Spiophanes fimbriata* | 3 | 1 | 0 | 4 | 3 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 0 | 1 | 1 | 2 | 3 |
| POSE | 0270 | 1980 | *Travisia pupa* | 1 | 0 | 0 | 1 | 3 |
| SIPN | 0330 | 0080 | *Nephasoma diaphanes* | 3 | 0 | 0 | 3 | 3 |
| **GVRD-6** | | | | | | | | |
| CRAM | 0844 | 0590 | *Harpiniopsis fulgens* | 1 | 0 | 0 | 1 | 1 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 6 | 7 | 0 | 13 | 1 |
| CRAM | 0826 | 1155 | *Orchomene cf. pinguis* | 1 | 0 | 0 | 1 | 1 |
| CRCU | 0700 | 0060 | *Diastylis pellucida* | 1 | 0 | 0 | 1 | 1 |
| CRCU | 0704 | 0125 | *Eudorellopsis integra* | 177 | 0 | 0 | 177 | 1 |
| CRDE | 0898 | 0266 | *Lebbeus sp.* | 0 | 0 | 1 | 1 | 1 |
| CRDE | 0892 | 0135 | *Munida quadrispina* | 0 | 0 | 2 | 2 | 1 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 6 | | | | | | | | |
| CRDE | 0932 | 0240 | *Pinnixa sp.* | 0 | 1 | 2 | 3 | 1 |
| CRIS | 0750 | 0141 | *Pleurogonium sp.* | 1 | 0 | 0 | 1 | 1 |
| CROS | 0674 | 0020 | *Bathyleberis sp.* | 9 | 0 | 0 | 9 | 1 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 61 | 0 | 0 | 61 | 1 |
| ECOP | 1058 | 0030 | *Amphiodia sp.* | 0 | 0 | 1 | 1 | 1 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 0 | 1 | 0 | 1 | 1 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 2 | 0 | 0 | 2 | 1 |
| ECOP | 0000 | 0001 | *Ophiuroidea indet.* | 0 | 0 | 1 | 1 | 1 |
| EURA | 0322 | 0030 | *Nellobia eusoma* | 1 | 0 | 0 | 1 | 1 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 0 | 4 | 0 | 4 | 1 |
| MOAP | 0338 | 0050 | *Falcidens longus* | 0 | 1 | 0 | 1 | 1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 5 | 0 | 5 | 1 |
| MOBI | 0456 | 0520 | *Macoma calcarea* | 1 | 0 | 0 | 1 | 1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 112 | 21 | 30 | 163 | 1 |
| MOBI | 0456 | 0570 | *Macoma spp.* | 0 | 0 | 1 | 1 | 1 |
| MOBI | 0478 | 0595 | *Megayoldia thraciaeformis* | 0 | 4 | 1 | 5 | 1 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | 0 | 1 | 0 | 1 | 1 |
| MOBI | 0478 | 1015 | *Yoldia hyperborea* | 0 | 1 | 2 | 3 | 1 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 1 | 0 | 2 | 1 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | 1 | 0 | 0 | 1 | 1 |
| MOGA | 0584 | 0375 | *Cryptonatica affinis* | 0 | 1 | 3 | 4 | 1 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 8 | 17 | 0 | 25 | 1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 11 | 0 | 0 | 11 | 1 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 0 | 0 | 1 | 1 | 1 |
| NTEA | 0148 | 0193 | *Micrura nr. pardalis* | 1 | 0 | 0 | 1 | 1 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 1 | 0 | 0 | 1 | 1 |
| PHOR | 0950 | 0049 | *Phoronis psammophila* | 0 | 1 | 0 | 1 | 1 |
| POER | 0180 | 0500 | *Glycera nana* | 5 | 0 | 0 | 5 | 1 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 0780 | *Ninoe gemmea* | 2 | 0 | 0 | 2 | 1 |
| POER | 0224 | 0890 | *Pholoe minuta* | 4 | 1 | 0 | 5 | 1 |
| POER | 0224 | 0895 | *Pholoe sp. N-1 (Ruff)* | 12 | 0 | 0 | 12 | 1 |
| POER | 0214 | 0960 | *Phyllodoce spp.* | 0 | 1 | 0 | 1 | 1 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 7 | 1 | 0 | 8 | 1 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 4 | 0 | 0 | 4 | 1 |
| POSE | 0252 | 0120 | *Aphelochaeta spp.* | 0 | 2 | 0 | 2 | 1 |
| POSE | 0260 | 0430 | *Brada spp.* | 0 | 0 | 1 | 1 | 1 |
| POSE | 0252 | 0510 | *Chaetozone spp.* | 0 | 0 | 1 | 1 | 1 |
| POSE | 0254 | 0646 | *Cossura bansei* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0254 | 0660 | *Cossura pygodactylata* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0248 | 0683 | *Decamastus nr. gracilis* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0266 | 0710 | *Euclymeninae indet.* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 37 | 4 | 0 | 41 | 1 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 0 | 0 | 2 | 2 | 1 |
| POSE | 0310 | 0800 | *Laonice cirrata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 8 | 0 | 0 | 8 | 1 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 6 | 1 | 0 | 7 | 1 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | 4 | 0 | 4 | 8 | 1 |
| POSE | 0310 | 1610 | *Prionospio (Minuspio) lighti* | 34 | 4 | 0 | 38 | 1 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 2 | 4 | 1 | 7 | 1 |
| POSE | 0270 | 1980 | *Travisia pupa* | 1 | 0 | 0 | 1 | 1 |
| CNHY | 0088 | 0160 | *Pengonimus repens* | 1 | 0 | 0 | 1 | 2 |
| CRAM | 0762 | 0090 | *Ampelisca hancocki* | 1 | 0 | 0 | 1 | 2 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD-6 | | | | | | | | |
| CRAM | 0844 | 0590 | *Harpiniopsis fulgens* | 2 | 0 | 0 | 2 | 2 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 3 | 7 | 0 | 10 | 2 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 2 | 0 | 0 | 2 | 2 |
| CRCU | 0700 | 0060 | *Diastylis pellucida* | 5 | 2 | 0 | 7 | 2 |
| CRCU | 0704 | 0125 | *Eudorellopsis integra* | 253 | 2 | 0 | 255 | 2 |
| CRCU | 0704 | 0175 | *Leucon magnadentata* | 1 | 0 | 0 | 1 | 2 |
| CRDE | 0892 | 0135 | *Munida quadrispina* | 0 | 0 | 1 | 1 | 2 |
| CROS | 0674 | 0020 | *Bathylebens sp.* | 8 | 0 | 0 | 8 | 2 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 31 | 0 | 0 | 31 | 2 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 1 | 0 | 0 | 1 | 2 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 1 | 0 | 0 | 1 | 2 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 0 | 4 | 0 | 4 | 2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 1 | 0 | 1 | 2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 65 | 15 | 16 | 96 | 2 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 1 | 0 | 1 | 2 | 2 |
| MOBI | 0478 | 0590 | *Megayoldia spp* | 0 | 0 | 2 | 2 | 2 |
| MOBI | 0478 | 0595 | *Megayoldia thraciaeformis* | 1 | 2 | 1 | 4 | 2 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 5 | 0 | 0 | 5 | 2 |
| MOGA | 0584 | 0375 | *Cryptonatica affinis* | 0 | 3 | 0 | 3 | 2 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 3 | 11 | 0 | 14 | 2 |
| MOGA | 0558 | 0285 | *Haminoea virescens* | 1 | 0 | 0 | 1 | 2 |
| MOGA | 0606 | 0680 | *Odostomia sp.* | 2 | 0 | 0 | 2 | 2 |
| MOSC | 0646 | 0050 | *Polyschides tolmiei* | 7 | 0 | 0 | 7 | 2 |
| NTEA | 0154 | 0260 | *Tetrastemma sp.* | 0 | 1 | 0 | 1 | 2 |
| NTEA | 0156 | 0210 | *Tubulanus polymorphus* | 2 | 1 | 0 | 3 | 2 |
| POER | 0180 | 0500 | *Glycera nana* | 10 | 0 | 0 | 10 | 2 |
| POER | 0182 | 0530 | *Glycinde armigera* | 0 | 1 | 0 | 1 | 2 |
| POER | 0198 | 0780 | *Ninoe gemmea* | 1 | 0 | 0 | 1 | 2 |
| POER | 0224 | 0895 | *Pholoe sp. N-1 (Ruff)* | 6 | 0 | 0 | 6 | 2 |
| POER | 0198 | 1040 | *Scoletoma luti* | 6 | 1 | 0 | 7 | 2 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 11 | 0 | 0 | 11 | 2 |
| POSE | 0252 | 0120 | *Aphelochaeta spp* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0248 | 0383 | *Barantolla nr. americana* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0254 | 0646 | *Cossura bansei* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 0702 | *Dipolydora spp* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 30 | 0 | 0 | 30 | 2 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 3 | 0 | 0 | 3 | 2 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 4 | 0 | 0 | 4 | 2 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 5 | 1 | 0 | 6 | 2 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 9 | 0 | 0 | 9 | 2 |
| POSE | 0310 | 1610 | *Pnonospio (Minuspio) lighti* | 5 | 0 | 0 | 5 | 2 |
| POSE | 0310 | 1605 | *Pnonospio (Pnonospio) jubata* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 4 | 1 | 1 | 6 | 2 |
| CRAM | 0792 | 0585 | *Guernea reduncans* | 2 | 0 | 0 | 2 | 3 |
| CRAM | 0844 | 0590 | *Harpiniopsis fulgens* | 1 | 0 | 0 | 1 | 3 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 4 | 5 | 0 | 9 | 3 |
| CRAM | 0844 | 1515 | *Rhepoxynius barnardi* | 1 | 0 | 0 | 1 | 3 |
| CRCU | 0700 | 0060 | *Diastylis pellucida* | 1 | 0 | 0 | 1 | 3 |
| CRCU | 0704 | 0125 | *Eudorellopsis integra* | 199 | 4 | 0 | 203 | 3 |
| CRCU | 0704 | 0175 | *Leucon magnadentata* | 2 | 0 | 0 | 2 | 3 |
| CRDE | 0932 | 0230 | *Pinnixa occidentalis complex* | 0 | 1 | 0 | 1 | 3 |
| CROS | 0674 | 0020 | *Bathylebens sp.* | 1 | 0 | 0 | 1 | 3 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 28 | 0 | 0 | 28 | 3 |
| ECEC | 1082 | 0046 | *Bnsaster acutifrons* | 2 | 0 | 0 | 2 | 3 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 2 | 1 | 0 | 3 | 3 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| **GVRD-6** | | | | | | | | |
| ECHO | 1098 | 0150 | *Pentamera pseudocalcigera* | 0 | 0 | 1 | 1 | 3 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 0 | 1 | 0 | 1 | 3 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 1 | 2 | 1 | 4 | 3 |
| MOAP | 0338 | 0050 | *Falcidens longus* | 1 | 0 | 0 | 1 | 3 |
| MOBI | 0462 | 0040 | *Adontorhina cyclia* | 1 | 0 | 0 | 1 | 3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 57 | 7 | 11 | 75 | 3 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 0 | 1 | 0 | 1 | 3 |
| MOBI | 0478 | 0595 | *Megayoldia thraciaeformis* | 2 | 2 | 1 | 5 | 3 |
| MOBI | 0384 | 0675 | *Neaeromya rugifera* | 0 | 1 | 3 | 4 | 3 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 3 | 1 | 0 | 4 | 3 |
| MOGA | 0584 | 0375 | *Cryptonatica affinis* | 0 | 2 | 1 | 3 | 3 |
| MOGA | 0528 | 0250 | *Cylichna attonsa* | 12 | 23 | 0 | 35 | 3 |
| MOGA | 0606 | 0680 | *Odostomia sp.* | 1 | 0 | 0 | 1 | 3 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 12 | 0 | 0 | 12 | 3 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 0 | 1 | 1 | 2 | 3 |
| PHOR | 0950 | 0049 | *Phoronis psammophila* | 0 | 1 | 0 | 1 | 3 |
| POER | 0216 | 0866 | *Ancistrosyllis groenlandica* | 2 | 0 | 0 | 2 | 3 |
| POER | 0220 | 0482 | *Gattyana spp* | 0 | 1 | 0 | 1 | 3 |
| POER | 0180 | 0500 | *Glycera nana* | 7 | 0 | 0 | 7 | 3 |
| POER | 0182 | 0530 | *Glycinde armigera* | 3 | 0 | 0 | 3 | 3 |
| POER | 0220 | 0675 | *Malmgreniella scriptoria* | 2 | 1 | 0 | 3 | 3 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | 0 | 0 | 1 | 3 |
| POER | 0198 | 0780 | *Ninoe gemmea* | 2 | 0 | 0 | 2 | 3 |
| POER | 0208 | 0830 | *Onuphis iridescens* | 1 | 0 | 0 | 1 | 3 |
| POER | 0172 | 0875 | *Paraonis gracilis* | 1 | 0 | 0 | 1 | 3 |
| POER | 0224 | 0895 | *Pholoe sp. N-1 (Ruff)* | 6 | 0 | 0 | 6 | 3 |
| POER | 0198 | 1040 | *Scoletoma luti* | 7 | 0 | 1 | 8 | 3 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 3 | 0 | 1 | 4 | 3 |
| POSE | 0276 | 0180 | *Ancidea lopezi* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0260 | 0420 | *Brada sachalina* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0254 | 0646 | *Cossura bansei* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0248 | 0683 | *Decamastus nr. gracilis* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 34 | 1 | 0 | 35 | 3 |
| POSE | 0248 | 0750 | *Heteromastus filobranchus* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 5 | 0 | 0 | 5 | 3 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 3 | 0 | 0 | 3 | 3 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 3 | 0 | 0 | 3 | 3 |
| POSE | 0280 | 1240 | *Pectinana californiensis* | 0 | 0 | 1 | 1 | 3 |
| POSE | 0310 | 1610 | *Pnonospio (Minuspio) lighti* | 4 | 0 | 0 | 4 | 3 |
| POSE | 0310 | 1605 | *Pnonospio (Pnonospio) jubata* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 6 | 0 | 0 | 6 | 3 |
| **GVRD-7** | | | | | | | | |
| BRYO | 1016 | 0027 | *Bowerbankia gracilis* | 1 | 0 | 0 | 1 | 1 |
| BRYO | 1012 | 0270 | *Triticella pediceliata* | 1 | 0 | 0 | 1 | 1 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 0 | 0 | 1 | 1 |
| CRDE | 0932 | 0230 | *Pinnixa occidentalis* | 1 | 1 | 0 | 2 | 1 |
| CRIS | 0750 | 0140 | *Pleurogonium rubicundum* | 1 | 0 | 0 | 1 | 1 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 3 | 0 | 0 | 3 | 1 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 11 | 1 | 0 | 12 | 1 |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 0 | 1 | 0 | 1 | 1 |
| EURA | 0323 | 0010 | *Arhynchite pugettensis* | 1 | 1 | 0 | 2 | 1 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 2 | 1 | 0 | 3 | 1 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD 7 | | | | | | | | |
| MOAP | 0338 | 0050 | *Falcidens longus* | 1 | 0 | 0 | 1 | 1 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 2 | 0 | 2 | 1 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 0 | 6 | 9 | 15 | 1 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 3 | 0 | 0 | 3 | 1 |
| MOBI | 0450 | 0900 | *Solemya reidi* | 1 | 3 | 0 | 4 | 1 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 0 | 1 | 0 | 1 | 1 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | 2 | 0 | 0 | 2 | 1 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 4 | 0 | 0 | 4 | 1 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 0 | 0 | 1 | 1 | 1 |
| NTEA | 0156 | 0168 | *Carinomella sp.* | 0 | 1 | 0 | 1 | 1 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | 0 | 0 | 2 | 2 | 1 |
| POER | 0180 | 0500 | *Glycera nana* | 2 | 0 | 0 | 2 | 1 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 1 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 1 | 0 | 0 | 1 | 1 |
| POER | 0220 | 0666 | *Malmgreniella berkeleyorum* | 1 | 0 | 0 | 1 | 1 |
| POER | 0208 | 0831 | *Onuphis nr. indescens* | 1 | 0 | 0 | 1 | 1 |
| POER | 0224 | 0900 | *Pholoe spp.* | 1 | 0 | 0 | 1 | 1 |
| POER | 0214 | 0960 | *Phyllodoce spp.* | 0 | 1 | 0 | 1 | 1 |
| POER | 0198 | 1040 | *Scoletoma luti* | 16 | 2 | 0 | 18 | 1 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 8 | 1 | 0 | 9 | 1 |
| POSE | 0252 | 0122 | *Aphelochaeta sp. 2 (Ruff)* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 1 | 1 | 0 | 2 | 1 |
| POSE | 0254 | 0646 | *Cossura bansei* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0248 | 0683 | *Decamastus nr. gracilis* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0310 | 0700 | *Dipolydora socialis* | 7 | 6 | 2 | 15 | 1 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 32 | 3 | 0 | 35 | 1 |
| POSE | 0310 | 0800 | *Laonice cirrata* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 8 | 0 | 0 | 8 | 1 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 10 | 2 | 0 | 12 | 1 |
| POSE | 0248 | 0950 | *Mediomastus spp.* | 8 | 0 | 0 | 8 | 1 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 0 | 5 | 1 | 6 | 1 |
| POSE | 0252 | 0995 | *Monticellina serratiseta* | 2 | 0 | 0 | 2 | 1 |
| POSE | 0274 | 1000 | *Myriochele olgae* | 1 | 0 | 0 | 1 | 1 |
| POSE | 0266 | 1050 | *Nicomache personata* | 34 | 0 | 0 | 34 | 1 |
| POSE | 0274 | 1163 | *Owenia nr. johnsoni* | 2 | 1 | 0 | 3 | 1 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | 3 | 0 | 0 | 3 | 1 |
| POSE | 0266 | 1540 | *Praxillella gracilis* | 0 | 1 | 0 | 1 | 1 |
| POSE | 0310 | 1610 | *Pnonospio lighti* | 19 | 5 | 0 | 24 | 1 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 1 | 1 | 0 | 2 | 1 |
| POSE | 0312 | 1860 | *Stemaspis nr. fossor* | 1 | 0 | 1 | 2 | 1 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | 0 | 0 | 1 | 1 |
| BRYO | 1012 | 0270 | *Tnticella pediceliata* | 1 | 0 | 0 | 1 | 2 |
| CNHY | 0088 | 0160 | *Pengonimus repens* | 2 | 0 | 0 | 2 | 2 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 1 | 0 | 0 | 1 | 2 |
| CRCU | 0700 | 0060 | *Diastylis pellucida* | 0 | 2 | 0 | 2 | 2 |
| CRCU | 0704 | 0125 | *Eudorellopsis integra* | 1 | 0 | 0 | 1 | 2 |
| CRDE | 0932 | 0230 | *Pinnixa occidentalis* | 0 | 0 | 1 | 1 | 2 |
| CROS | 0674 | 0020 | *Bathyleberis sp.* | 1 | 0 | 0 | 1 | 2 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 18 | 0 | 0 | 18 | 2 |
| CROS | 0682 | 0110 | *Scleroconcha trituberculata* | 1 | 0 | 0 | 1 | 2 |
| ECEC | 1082 | 0050 | *Bnsaster latifrons* | 1 | 1 | 0 | 2 | 2 |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 14 | 2 | 0 | 16 | 2 |
| ECHO | 1108 | 0100 | *Leptosynapta transgressor* | 2 | 6 | 0 | 8 | 2 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD-7 | | | | | | | | |
| ECHO | 1096 | 0125 | *Molpadia intermedia* | 2 | 0 | 0 | 2 | 2 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 0 | 1 | 0 | 1 | 2 |
| ECOP | 1074 | 0058 | *Ophiura leptoctenia* | 0 | 1 | 0 | 1 | 2 |
| MOAP | 0338 | 0030 | *Chaetoderma argenteum* | 2 | 0 | 0 | 2 | 2 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 3 | 0 | 3 | 2 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 1 | 12 | 15 | 28 | 2 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 1 | 0 | 0 | 1 | 2 |
| MOBI | 0456 | 0542 | *Macoma golikovi* | 1 | 0 | 0 | 1 | 2 |
| MOBI | 0384 | 0675 | *Neaeromya rugifera* | 0 | 3 | 0 | 3 | 2 |
| MOBI | 0384 | 0860 | *Rochefortia tumida* | 1 | 0 | 0 | 1 | 2 |
| MOBI | 0450 | 0900 | *Solemya reidi* | 0 | 1 | 0 | 1 | 2 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 3 | 0 | 0 | 3 | 2 |
| MOGA | 0518 | 0672 | *Oenopota turricula* | 1 | 0 | 0 | 1 | 2 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 2 | 0 | 0 | 2 | 2 |
| MOSC | 0648 | 0080 | *Rhabdus rectius* | 0 | 0 | 1 | 1 | 2 |
| NTEA | 0148 | 0170 | *Cerebratulus californiensis* | 0 | 1 | 0 | 1 | 2 |
| POER | 0198 | 0870 | *Cenogenus simpla* | 1 | 0 | 0 | 1 | 2 |
| POER | 0214 | 0365 | *Eumida spp* | 1 | 0 | 0 | 1 | 2 |
| POER | 0180 | 0500 | *Glycera nana* | 1 | 1 | 0 | 2 | 2 |
| POER | 0182 | 0530 | *Glycinde armigera* | 2 | 1 | 0 | 3 | 2 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 2 | 0 | 0 | 2 | 2 |
| POER | 0220 | 0666 | *Malmgreniella berkeleyorum* | 3 | 0 | 0 | 3 | 2 |
| POER | 0202 | 0710 | *Nephtys cornuta* | 1 | 0 | 0 | 1 | 2 |
| POER | 0208 | 0830 | *Onuphis iridescens* | 2 | 0 | 0 | 2 | 2 |
| POER | 0208 | 0831 | *Onuphis nr. iridescens* | 3 | 0 | 0 | 3 | 2 |
| POER | 0208 | 0840 | *Onuphis sp.* | 0 | 0 | 1 | 1 | 2 |
| POER | 0224 | 0895 | *Pholoe sp. N-1* | 2 | 0 | 0 | 2 | 2 |
| POER | 0186 | 1025 | *Podarkeopsis perkinsi* | 0 | 1 | 0 | 1 | 2 |
| POER | 0198 | 1040 | *Scoletoma luti* | 22 | 0 | 0 | 22 | 2 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 8 | 3 | 0 | 11 | 2 |
| POSE | 0252 | 0120 | *Aphelochaeta spp.* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0310 | 0700 | *Dipolydora socialis* | 1 | 16 | 0 | 17 | 2 |
| POSE | 0266 | 0713 | *Euclymene nr. zonalis* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0266 | 0710 | *Euclymeninae indet.* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 10 | 1 | 0 | 11 | 2 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0266 | 0920 | *Maldane sarsi* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0248 | 0950 | *Mediomastus spp.* | 2 | 0 | 0 | 2 | 2 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 0 | 0 | 1 | 1 | 2 |
| POSE | 0270 | 1144 | *Ophelina spp.* | 0 | 1 | 0 | 1 | 2 |
| POSE | 0280 | 1240 | *Pectinaria californiensis* | 3 | 0 | 0 | 3 | 2 |
| POSE | 0310 | 1610 | *Pnonospio lighti* | 1 | 0 | 0 | 1 | 2 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 2 | 2 | 0 | 4 | 2 |
| POSE | 0312 | 1860 | *Sternaspis nr. fossor* | 1 | 0 | 2 | 3 | 2 |
| POSE | 0316 | 1905 | *Terebellides kobei* | 1 | 0 | 0 | 1 | 2 |
| BRYO | 1012 | 0270 | *Tricella pedicellata* | 1 | 0 | 0 | 1 | 3 |
| CNHY | 0088 | 0160 | *Pengonimus repens* | 3 | 0 | 0 | 3 | 3 |
| CRAM | 0762 | 0140 | *Ampelisca unsocalae* | 0 | 1 | 0 | 1 | 3 |
| CRAM | 0844 | 0600 | *Heterophoxus affinis* | 2 | 0 | 0 | 2 | 3 |
| CRCU | 0704 | 0125 | *Eudorellopsis integra* | 1 | 0 | 0 | 1 | 3 |
| CRDE | 0932 | 0230 | *Pinnixa occidentalis* | 0 | 1 | 0 | 1 | 3 |
| CROS | 0682 | 0060 | *Euphilomedes producta* | 7 | 1 | 0 | 8 | 3 |
| CRTA | 0712 | 0040 | *Leptognathia gracilis* | 1 | 0 | 0 | 1 | 3 |

Table 13: Continued.

| Group Code | Family Code | Species Code | Genus/Species List | Adult | Intermediate | Juvenile | Totals | Replicate No. |
|---|---|---|---|---|---|---|---|---|
| GVRD-7 | | | | | | | | |
| ECHO | 1092 | 0015 | *Chirodota albatrossii* | 11 | 16 | 0 | 27 | 3 |
| ECHO | 1108 | 0100 | *Leptosynapta transgressor* | 0 | 2 | 0 | 2 | 3 |
| ECOP | 1058 | 0040 | *Amphiodia urtica* | 0 | 1 | 0 | 1 | 3 |
| ECOP | 1074 | 0070 | *Ophiura sp.* | 0 | 0 | 1 | 1 | 3 |
| MOBI | 0462 | 0060 | *Axinopsida serricata* | 0 | 2 | 0 | 2 | 3 |
| MOBI | 0462 | 0165 | *Conchocele bisecta* | 0 | 2 | 1 | 3 | 3 |
| MOBI | 0456 | 0530 | *Macoma carlottensis* | 2 | 22 | 9 | 33 | 3 |
| MOBI | 0456 | 0540 | *Macoma elimata* | 1 | 1 | 0 | 2 | 3 |
| MOBI | 0478 | 0585 | *Megayoldia martyna* | 0 | 0 | 3 | 3 | 3 |
| MOBI | 0384 | 0675 | *Neaeromya rugifera* | 0 | 5 | 0 | 5 | 3 |
| MOBI | 0392 | 0800 | *Parvilucina tenuisculpta* | 1 | 0 | 0 | 1 | 3 |
| MOBI | 0450 | 0900 | *Solemya reidi* | 0 | 2 | 1 | 3 | 3 |
| MOBI | 0478 | 1020 | *Yoldia seminuda* | 1 | 0 | 0 | 1 | 3 |
| MOGA | 0516 | 0090 | *Astyris gausapata* | 1 | 0 | 0 | 1 | 3 |
| MOGA | 0584 | 0380 | *Euspira pallida* | 0 | 0 | 1 | 1 | 3 |
| MOGA | 0634 | 0706 | *Ophiodermella inermis* | 1 | 0 | 0 | 1 | 3 |
| MOSC | 0647 | 0063 | *Pulsellum salishorum* | 3 | 0 | 0 | 3 | 3 |
| POER | 0220 | 0034 | *Bylgides macrolepidus* | 2 | 0 | 0 | 2 | 3 |
| POER | 0214 | 0320 | *Eteone spilotus* | 2 | 0 | 0 | 2 | 3 |
| POER | 0180 | 0500 | *Glycera nana* | 3 | 0 | 0 | 3 | 3 |
| POER | 0182 | 0530 | *Glycinde armigera* | 1 | 0 | 0 | 1 | 3 |
| POER | 0198 | 0615 | *Lumbrineris cruzensis* | 2 | 0 | 0 | 2 | 3 |
| POER | 0220 | 0666 | *Malmgreniella berkeleyorum* | 4 | 0 | 0 | 4 | 3 |
| POER | 0202 | 0710 | *Nephtys comuta* | 2 | 0 | 0 | 2 | 3 |
| POER | 0198 | 1040 | *Scoletoma luti* | 21 | 2 | 0 | 23 | 3 |
| POSE | 0242 | 0042 | *Ampharete nr. acutifrons* | 5 | 2 | 0 | 7 | 3 |
| POSE | 0252 | 0120 | *Aphelochaeta spp.* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0248 | 0383 | *Barantolla nr. americana* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0252 | 0495 | *Chaetozone commonalis* | 1 | 1 | 0 | 2 | 3 |
| POSE | 0310 | 0700 | *Dipolydora socialis* | 4 | 1 | 0 | 5 | 3 |
| POSE | 0266 | 0713 | *Euclymene nr. zonalis* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0266 | 0710 | *Euclymeninae indet.* | 0 | 1 | 0 | 1 | 3 |
| POSE | 0274 | 0720 | *Galathowenia oculata* | 7 | 0 | 0 | 7 | 3 |
| POSE | 0276 | 0850 | *Levinsenia gracilis* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0248 | 0945 | *Mediomastus ambiseta* | 3 | 0 | 0 | 3 | 3 |
| POSE | 0248 | 0948 | *Mediomastus californiensis* | 19 | 0 | 0 | 19 | 3 |
| POSE | 0248 | 0950 | *Mediomastus spp.* | 8 | 0 | 1 | 9 | 3 |
| POSE | 0266 | 0987 | *Microclymene nr. caudata* | 0 | 2 | 0 | 2 | 3 |
| POSE | 0252 | 0995 | *Monticellina serratiseta* | 2 | 0 | 0 | 2 | 3 |
| POSE | 0251 | 1342 | *Phyllochaetopterus pottsi* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0314 | 1440 | *Polycirrus californicus* | 0 | 0 | 1 | 1 | 3 |
| POSE | 0310 | 1610 | *Prionospio lighti* | 2 | 1 | 0 | 3 | 3 |
| POSE | 0310 | 1820 | *Spiophanes berkeleyorum* | 3 | 2 | 0 | 5 | 3 |
| POSE | 0312 | 1860 | *Sternaspis nr. fossor* | 1 | 0 | 0 | 1 | 3 |
| POSE | 0318 | 1990 | *Trochochaeta multisetosa* | 1 | 0 | 0 | 1 | 3 |

Table 14: Results of the benthic foraminifera and thecamoebian taxonomy and counts. Blank cells indicate a count of zero. Taxonomy follows Loeblich and Tappan, 1961.

| | | Foraminifera | | | | | | | | | | | | Thecamoebians | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | *Foraminiferal lining* | *?Hemispheerammina bradyi* | *Miliammina fusca* | *Cuneata arctica* | *Leptohalysis catella* | *Haplophragmoides manilaensis* | *Adercotryma glomerata* | *Spiroplectammina biformis* | *Jadammina macrescens* | *Trochammina inflata* | *Vermeulinulla advena* | **Total** | *Arcella vulgaris* | *Arcella sp.* | *Centropyxis aculeata* | *Centropyxis constricta* | *Difflugia ampullula* | *Difflugia oblonga* | *Pontigulasia constricta* | *Heleopera sphagni* | *Cyclopyxis arcelloides* | *Phryganella acropodia* | **Total** |
| GVRD-3 | 0-1 cm | | | | | | | | 7 | 1 | 1 | | 9 | | 1 | 6 | | | | | | 4 | | 11 |
| | 1-2 cm | | 84 | | | | | | 7 | | | | 91 | | 1 | | | | | | | | | 1 |
| | 2-3 cm | | | | | | | | 4 | | | | 4 | 1 | 6 | | | | | | | | | 7 |
| | 3-4 cm | | | | | | | | 17 | | | | 17 | | 1 | 8 | | | | | | 8 | | 17 |
| | 4-5 cm | | | | | | | | 11 | | | | 11 | | 5 | | | 1 | 1 | | | | | 7 |
| | 5-6 cm | | | | | | | | 14 | | | 1 | 15 | | 2 | 5 | | | | | | | | 7 |
| | 6-7 cm | | | | | 12 | | | 19 | | | 4 | 35 | | | 11 | | | | | | | | 11 |
| | 7-8 cm | | | | | 3 | | | 18 | | | 3 | 24 | | | 7 | | | | | | | | 7 |
| | 8-9 cm | | | | 2 | 9 | | | 17 | | | | 28 | | 2 | 42 | | | | | | | | 44 |
| | 9-10 cm | | | | | 3 | | | 10 | | | | 13 | | 2 | 12 | | | | | | | | 14 |
| | 10-12 cm | 5 | | | 4 | 5 | | | 29 | | | | 38 | | | 8 | | | | | | 2 | | 10 |
| | 12-14 cm | | | | 2 | 5 | | | 20 | | | 2 | 29 | | 1 | 3 | | | | | | | | 4 |
| | 14-16 cm | | | | 1 | 3 | | | 21 | | | 1 | 26 | | 1 | 2 | | | | | | | | 3 |
| | 16-18 cm | | | 1 | | 12 | 1 | 1 | 12 | | | 1 | 28 | | | 9 | | 2 | | | | 4 | | 15 |
| | 18-20 cm | 3 | | | 3 | 15 | | 1 | 26 | 1 | 2 | | 48 | | | 14 | | | | | | 5 | | 19 |
| | 20-25 cm | | | | | 18 | | | 25 | | | 1 | 44 | | | 20 | | | | | | | | 20 |
| | 25-30 cm | | | | 1 | 6 | | 4 | 17 | | | 2 | 30 | | 1 | 6 | | | 1 | | | | | 8 |
| | 30-35 cm | | | | | 7 | | 5 | 18 | | | | 30 | | 1 | 6 | | | | | | 3 | | 10 |
| | 35-40 cm | 5 | | | 1 | 9 | | 10 | 31 | | 2 | | 53 | | 2 | 207 | | | | | | 5 | 3 | 217 |
| | 40-45 cm | 5 | | | | 13 | | 3 | 12 | | | 1 | 29 | | | 7 | 1 | 2 | | 2 | | 5 | | 17 |

| | | Foraminifera | | | | | | | | | | | | Thecamoebians | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | *Foraminiferal lining* | *?Hemispheerammina bradyi* | *Miliammina fusca* | *Cuneata arctica* | *Leptohalysis catella* | *Haplophragmoides manilaensis* | *Adercotryma glomerata* | *Spiroplectammina biformis* | *Trochammina macrescens* | *Trochammina inflata* | *Vermeulinulla advena* | **Total** | *Arcella vulgaris* | *Arcella sp.* | *Centropyxis aculeata* | *Centropyxis constricta* | *Difflugia ampullula* | *Difflugia oblonga* | *Pontigulasia constricta* | *Heleopera sphagni* | *Cyclopyxis arcelloides* | *Phryganella acropodia* | **Total** |
| GVRD-4 | 0-1 cm | | | | | | | | 3 | | | | 3 | | | 15 | | 2 | | | | 3 | | 20 |
| | 1-2 cm | | | | | | | | | | | | 0 | | 2 | 9 | | | | | | 12 | | 23 |
| | 2-3 cm | 2 | | | | 5 | | | | | 1 | | 6 | | 3 | 6 | | 2 | | | | 5 | | 16 |
| | 3-4 cm | | | | | | | 1 | | | | | 1 | | | 6 | 1 | | 1 | | 1 | 7 | | 16 |
| | 4-5 cm | 3 | | | | 3 | | | | | | 4 | 7 | | | 7 | | | | 1 | | 6 | | 14 |
| | 5-6 cm | | | | | 2 | 1 | 1 | | 1 | | | 5 | | | 5 | | | | | | 5 | | 10 |
| | 6-7 cm | | | | | | | | | | | | 0 | | | 3 | | | | | | 8 | | 11 |
| | 7-8 cm | | | | | 2 | | | | | | | 2 | | | 5 | | 1 | | | | 4 | | 10 |
| | 8-9 cm | | | | | 2 | | | | | 1 | | 3 | | | 13 | | | | | | 10 | | 23 |
| | 9-10 cm | | | | | | | | | | | | 0 | | | 7 | | | | 2 | | 2 | | 11 |
| | 10-12 cm | 1 | | | | | | | 3 | | | | 3 | | | 11 | | | | | | 5 | | 16 |
| | 12-14 cm | 1 | | | | | | | 1 | | | | 1 | | | 5 | | | | | | 5 | | 10 |
| | 14-16 cm | | | | | 2 | | | 3 | | | | 5 | | 1 | 9 | | | | 1 | | 4 | | 15 |
| | 16-18 cm | | | 1 | | 6 | | | 6 | | 1 | | 14 | | | 3 | | 1 | | | | 3 | | 7 |
| | 18-20 cm | 2 | | 2 | | | | | 5 | | | | 7 | | | 10 | | 1 | | | | 4 | | 15 |
| | 20-25 cm | 1 | | 2 | | | | | 2 | | | 1 | 5 | | | 5 | | | 1 | | | 7 | | 13 |
| | 25-30 cm | 1 | | | | | | | 4 | | 1 | | 5 | | | 17 | | | | 1 | | 5 | | 23 |
| | 30-35 cm | | | | | 2 | | | 6 | | 1 | | 9 | | | 8 | | | 3 | 1 | | 3 | | 15 |